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ARACHNIDA

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E. BROWNING

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12. ARACHNIDA

to which are added

MEROSTOMATA, PANTOPODA, PENTASTOMIDA, TARDIGRADA, MYRIOPODA and ONYCHOPHORA

compiled by

E. BROWNING

CONTENTS

	PAGE
I. TITLES (All groups)	2
II. SUBJECT INDEX :—	
Merostomata	32
Arachnida (incl. Pantopoda, Pentastomida and Tardigrada)	32
Myriopoda	41
Onychophora	43
III. SYSTEMATIC INDEX :—	
Merostomata	44
Pantopoda	44
Scorpiones	44
Uropygi	45
Amblypygi	45
Palpigradi	45
Ricinulei	45
Pseudoscorpiones	45
Solifugae	45
Opiliones	45
Araneae	48
Acari	53
Anthracomarti	65
Kustarachnida	65
Haptopoda	65
Trigonotarbi	66
Phalangiotarbi	66
Architarbi	66
Tardigrada	66
Pentastomida	66
Chilopoda	66
Diplopoda	66
Symphilida	71
Pauropoda	71
Onychophora	71

The family divisions in the Opiliones and Araneae, and the grouping of Ixodoidea and Hydrachnoidea in the Acari are now omitted; the genera being arranged alphabetically in all Orders. This makes for uniformity throughout the Section. The family name will be given after **gen. nov.**

I.—TITLES

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Castro, M. P. de *vide* Pereira, C. **451.**

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Witt, P. N. *vide* Peters, H. M. **455.**

Wolff, D. *vide* Peters, H. M. **455.**

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York, G. T. *vide* Cassidy, T. P. **97.**

Yue, T. F. *vide* Chow, C. Y. **171.**

641.—[**Zhmaeva, Z. M.**]. [*Haemaphysalis concinna* Koch as transmitter of tick exanthematic typhus in the Far East.] Third confer. Parasit. Problems Acad. Sci. Moscow Dept. Biol. Sci. **1941** (March) p. 14. [In Russian.] [ACARI.]

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II.—SUBJECT INDEX

The number in Clarendon indicates the full reference in the list of titles.

MEROSTOMATA

Text books.—Fossil Merost. MÉLENDEZ **388.**

STRUCTURE

Nervous system.—*Limulus polyphemus*, HENRY **269.**

ARACHNIDA

GENERAL LITERATURE AND HISTORY

General works.—Aran., CROMPTON **148.**

Text books.—Invertebrate anatomy, BULLOUGH **89**; Fossil Arach., MÉLENDEZ **388.**

History.—Arach. of Ireland, PRAEGER **474**; Itch mite in China, HOEPPLI & CH'IANG **274.**

Obituary.—Alida Margaretha Buitendijk, BOSCHMA **68**; Filippo Silvestri, KANERVO **319**; Filippo Silvestri, ORFILA **440**; Filippo Silvestri, ROSAS COSTA **503**; Filippo Silvestri, RUSSO **506.**

Bibliography.—Acari of medical importance in China, CHOW ET AL. **117**; Venoms, HARMON & POLLARD **264**; Check list of mite genera and type species, RADFORD **478**; F. Silvestri, RUSSO **506.**

Taxonomy.—Young stages of Arachnida, SCHULZ **531.**

Nomenclature.—Use of geographic terms in specific names, BONNET **62**; Designation of names of genera and species, BONNET **63**; Proposed amendment of Article 26, BONNET **64**; Propositions on nomenclature, BONNET **65**; Discussion on the names published in Clerck 1757, BONNET **66**; Recognition of Clerck's Aranei Suecici, BONNET **67.**

Museums.—Baltic Amber spiders in the Museum of Comparative Zoölogy, PETRUNKEVITCH **460**; †Report on types of fossil Arachnida in various museums, PETRUNKEVITCH **461**; Halacaridae of Musée Océanograph. Monaco, BELLOC **48.**

Expeditions.—Introduction to Amer. Mus. Exped. to Mexico, SPIETH **555.**

Folklore.—Facts and fallacies of Aran. DUNN **189.**

STRUCTURE

External anatomy.—*Propallene kempi* GNANAMUTHU **232**; Arach, BULLOUGH **89**; *Gymnodamaeus craterifer*, GRANDJEAN 242; Characters of Oribatidae, GRANDJEAN **243**; morphology of larvae of *Dermacentor marginatus*, *D. nuttalli* and *D. pictus*, REZNIK **490.**

Internal anatomy.—Incubation chamber and feeding mechanism in *Ischnurus ochropus*, VACHON **605**.

Circulatory system.—Stomato-gastric nervous system and cardiac circulation of blood of *Tityus* sp., SOARES **550**.

Integument.—*Euscorpius flavicaudis*, TADDEI **577** ; Epicuticle of Arthropods CLOUDSLEY-THOMPSON **129**.

Chaetotaxy.—Lohmanniidae, GRANDJEAN **241** ; Oribatidae, GRANDJEAN **246**.

Alimentary system.—Mouth parts of *Bdellonyssus bacoti*, GORIROSSI **235** ; *Tyroglyphus farinae*, HUGHES **291** ; *Trombicula autumnalis*, JONES **316**.

Respiratory system.—*Stygothrombium*, ANDRÉ **14** ; Tracheae of Arthropods, RICHARDS & KORDA **491** ; Trombiculids, WHARTON **628**.

Reproductive system.—*Tityus bahiensis*, PIZA **473**.

Sense organs.—*Damon variegatus*, LAWRENCE **355** ; *Trombicula autumnalis*, JONES **312**.

Teratology.—Supplementary claws in *Scorpio maurus*, VACHON **607** ; *Buthotus alticola*, VACHON & SERFATY **610** ; *Hyalomma savignyi*, FELDMAN-MUHSAM **209** ; hybrids in Ixodidae, PERVOMAYSKI **452** ; *Hyalomma steineri enigkianum*, SCHULZE **535**.

Technique.—Examining Oribatidae, GRANDJEAN **240** ; Mounting medium, CLARK & MORISHITA **123** ; Microscopic mounting medium, LAMBERS **347** ; Euparal, a mountant for Acari, NEUMANN **423** ; Mounting medium, REYNE **489**.

PHYSIOLOGY

Nutrition and digestion.—Antibacterial properties in ticks, ANIGSTEIN ET AL. **26** ; Alimentary canal of *Tyroglyphus farinae*, HUGHES **291** ; Carotinoids in Tardig. MIHELČIČ **394**.

Fasting.—Resistance to inanition in *Argas persicus*, ROVEDA **505**.

Osmotic relations ; Water balance.—Water conservation in Ixod. LEES **360**.

Respiration.—*Meta menardi* and *Araneus diadematus*, DEROUET **166**.

Senses.—*Agelena labyrinthica*, BARTELS **42** ; Eyes of Aran., HOMANN **284, 285, 286, 287**.

Secretion : internal.—Salivary secretion of *Trombicula autumnalis*, JONES **316** ; Cellular secretion in Aran., URBANI **600**.

Growth.—*Amaurobius erberi*, GLÄSSER **231** ; Oocyte of *Pholcus phalangioides*, FAUTREZ **205** ; Acari, JONES **314**.

Aestivation.—Eggs of *Halotydeus destructor*, NORRIS **431**.

Bio-chemistry.—Ribonucleic acid in the oocyte *Pholcus phalangioides*, FAUTREZ **205**.

Toxins : Venoms.— Bibliography, HARMON & POLLARD **264** ; Statements on poison of Scorp, WATERMAN **624** ; Case histories of two Scorp. stings, WATERMAN **625** ; *Orthochirus innesi*, BÉRÉNI **50** ; Antibiotic activity of extracts from *Euscorpius carpathicus*, PAVAN **446** ; Extraction of venom from Mygalomorph spider, BARRIO & BRAZIL **41** ; *Atrax robusta*, MURRAY **411** ; Effects of venom of *Latrodectus geometricus*, KEEGAN ET AL. **326** ; Fatal bite of *Latrodectus indistinctus*, LUCEY **370**.

Coloration ; Colour changes.—*Misumena vatia* and *Thomisus albus*, CHRYSANTHUS **121** ; Pigment of *Echiniscus* spp., MASSONNEAU & MAY **385**.

Effect of enviroment.—Reaction to temperature, responses to light and shading, humidity, heat and chemical stimulation, JONES **312** ; Adaptive reactions of Tardigrades to variations of salinity, COLLIN & MAY **134**.

Effects of chemicals.—Toxicity of synthetic organic compounds on *Metatetranychus ulmi*, EATON & DAVIES **195** ; Airplane applications of DDT on Aran. & Acari, HOFFMANN ET AL. **281** ; Action of extracts of phytons of plants on ticks, OLENEV **432–433**.

Experimental studies.—Substances against scorpion sting, ALY ET AL. **8** ; Substances against scorpion sting & spider bite, CHRISTENEN & WIDDICOMBE **118** ; Action of toxin of the Egyptian scorpion, MOHAMMED **398**.

Laboratory technique.—Extraction of venom from Mygalomorph spiders, BARRIO & BRAZIL **41**.

REPRODUCTION & SEX

Reproduction.—*Buthus eupeus*, KOBAKHIDSE **335** ; *Tityus bahiensis*, PIZA **473**.

Fertility.—*Buthus eupeus*, KOBAKHIDSE **335.**

Parthenogenesis.—*Histiostoma laboratorium*, HUGHES **289**; *Teutana triangulosa*, MONTEROSSO **403.**

Sex Dimorphism.—*Propallene kempi*, GNANAMUTHU **232.**

Sex ratios.—Aran., MONTEROSSO **400**; *Theridion triangulifer*, MONTEROSSO **401.**

DEVELOPMENT

Development. — Lohmanniidae, GRANDJEAN **241**; *Uroseius novus*, NEUMANN & SELLNICK **424.**

Egg: oogensis.—*Propallene kempi*, GNANAMUTHU **232**; *Damon variegatus*, LAWRENCE **355**; Breaking of diapause of winter egg of *Metatetranychus ulmi*, DIERICK **175**; Diapause and photoperiodism in *Metatetranychus ulmi*, LEES **361**; Factors influencing diapause in *Paratetranychus pilosus*, MILLER **395**; *Camisia segnis* and *Platynothrus peltifer* GRANDJEAN **244.**

Spermatogenesis. — *Buthus acutecarinatus*, NATH & GILL **420**; *Plexippus paykulli*, SHARMA **542.**

Embryology.—Post embryonic development of *Propallene kempi*, GNANAMUTHU **232**; *Ischnurus ochropus*, VACHON **605**; Central nervous system of *Thelyphonus caudatus*, KÄSTNER **322**; *Tyroglyphus farinae*, HUGHES **290.**

Life history.—Opil., SANKEY **509**; *Petrobia lapidum*, BROWNING **81**; *Haemaphysalis campanulata hoeppliana* and *Rhipicephalus sanguineus*, FENG & HWANG **210**; *Camisia segnis* and *Platynothrus peltifer*, GRANDJEAN **244**; *Hannemania dunni*, HYLAND **296**; *Uroseius novus*, NEUMANN & SELLNICK **424**; *Liponyssus bacoti*, OVAZZA **442**; *Trombicula deliensis*, SCRUB TYPHUS RES. UNIT **537.**

Growth.—Oocyte of *Pholcus phalangioides*, FAUTREZ **205**; Acari, JONES **314.**

Moult.—Post-embryological development of colour and pattern of Salticid spiders, CRANE **147.**

Teratology.—Supplementary claws in *Scorpio maurus*, VACHON **607**; *Hyalomma savignyi*, FELDMAN-MUHSAM **209.**

Effects of environment.—Influence of temperature on eggs of *Oecobius cellariorum*, *Teutana triangulosa*, *Pholcus phalangioides* and *Cyrtophora citricola*, RONSISVALLE **501**; Influence of daylight on the life cycle of *Tetranychus urticae*, BONDARENKO **60.**

EVOLUTION AND GENETICS

General works: theories.—Nervous system of Annulata, FERRIS **211.**

Evolution of taxonomic groups.—North African Scorpions, VACHON **603.**

Variation.—Size in spiders, PETERSEN **456**; *Psoroptes equi*, DUBININ **187**; Natural and induced in *Tetranychus bimaculatus*, NEISWANDER ET AL. **421**; *Eylais degenerata* VIETS **616**; *Eylais setosa*, VIETS **617.**

Adaptations.—Locomotory mechanisms in Arthropoda, MANTON **377**; Feather mites, DUBININ **183.**

Chromosome problems.—Scorp., LIMA-DE-FARIA **365**; *Oxyopes hindustanicus* and *Peucetia viridana*, GOWDA **239**; *Heteropoda venatoria*, SUZUKI & OKADA **572.**

ECOLOGY AND HABITS

Text books.—Acari, Pentast., BAER **35.**

Bionomics.—Opil., SANKEY **509**; Ecological survey of *Trombicula autumnalis* JONES **315**; *Bryobia praetiosa*, FIGUEIREDO **212.**

Ecological associations.—Oribatidae with *Scirpus silvaticus* [Plant], STRENZKE **564**; *Schwiebea cavernicola* in sulphur water, PAX **450**; Microhabitat economy of *Ixodes ricinus*, MILNE **396**; Aran., Opil., Acari of oak-hickory in Missouri, DOWDY **177**; Physical conditions of Aran. presence in caves, DRESCO **182**; Aran. Opil. in Central Pyrenees caves, DRESCO **181**; Aran. of caves, DRESCO **178**; Pseudoscorp., Opil., Aran., Acari of caves, BIRSHTEIN **54**; Acari in burrows of musk-rat, BARABASH-NIKIFOROV **40**; *Diphtheroglyphus maculata* on salted steer hides, NESBITT **422**; Porohalacaridae of subterranean waters, VIETS **612.**

Distribution.—*Trombicula autumnalis*, JONES **315**; *Trombicula autumnalis*, RICHARDS **494**; *Ixodes persulcatus* and *I. ricinus*, northern limits in Russia, KHEISIN **328**; Spatial distribution of *Ixodes ricinus*, MILNE **397**; *Ixodes pilo-*

sus, *I. rubicundus*, *Rhipicephalus capensis*, *R. evertsi*, THEILER **581**; Various factors in geographical distribution of feather mites, DUBININ **184**.

Phenology.—Effect of day-light on life cycle of *Tetranychus urticae*, BONDARENKO **60**; *Neobisium* species, BEIER **47**.

General habits.—*Orthochirus innesi*, BÉRÉNI **50**; Scorpions, CLOUDSLEY-THOMPSON **131**; Scorp., WATERMAN **624**; Pseudoscorp., LARSSON **349**; Pseudoscorp., SYMS **574**; *Pholcus phalangioides*, CHRYSANTHUS **120**; *Sitticus longipes*, DRESCO **180**; *Lithyphantes albomaculatus*, NØRGAARD **429**; Aran. NØRGAARD **430**; British Aran., R[ichards] **492**; Acari, HAMMER & NIELSEN **263**; *Echiniscoides sigismundi*, GREEN **248**.

Feeding habits.—Scorp., WATERMAN **624**; Prey of British Opil., TODD **588**; Prey of *Lithyphantes albomaculatus*, NØRGAARD **429**; *Thalassius* sp. catching fish, ANON. **2**; Bird caught in web, GREY **249**; Bird caught in web, ROSS **504**.

Breeding habits.—Scorp., WATERMAN **624**; *Buthotus alticola*, SERFATY & VACHON **541**; Maternal instinct of *Teutana triangulosa*, MONTEROSSO **399**.

Courtship.—Salticidae, CRANE **146**.

Population studies.—Spider fauna of bee-hives, MURGATROYD, **410**; Acari, JAHN **301**; Tyroglyphidae, SOROKIN **552**; Trombiculidae, TRAUB & FRICK **592**; *Tetranychus bimaculatus*, HUFFAKER & SPITZER **288**; *Hyalomma marginatum*, PIONTKOVSKAYE **472**; *Ornithodoros moubata* in houses, PHIPPS **467**; Quantitative changes in mites and ticks of mammals and their causes, DUBININ **186**; Ixod. on rodents in Poland, NAMYSŁOWSKA **419**.

Enemies and Defence.—Opil., SANKEY **509**; Spider prey of Pompilid and Sphecid wasps in England, CURRIE **151**; *Tetrastichus abalosi* and *T. grassoi* parasites of egg cocoon of *Latrodectus mactans*: *Tetrastichus grioti* parasite of spider, prob. *Metepeira labyrinthea*, BLANCHARD **57**; Insect predators of Tetranychidae: Acari predators of other Acari: Insect destructors of Ixod., ANDRÉ **16**; Predators of *Paratetranychus citri*, DEBACH ET AL. **157**; *Orius insidiosus* [Bug] predaceous on *Septanychus texazona*, IGLINSKY & RAINWATER **297**; Enemies and parasites of Ixod. THOMPSON **585**.

Extermination.—Disappearance of *Dolomedes* in Toulouse region, BONNET **61**.

Commensalism.—Acari with bees, ANDRÉ **10**; *Pediculopsis graminum* mutual association with fungi parasites of plants, PEYRONEL **462**.

Parasitism.—**Host list**: North American *Trombicula* (*Neotrombicula*), BRENNAN & WHARTON **76**; Acari of mammals, birds and reptiles, RADFORD **477**; Acari on small mammals of Florida, WORTH **639**; Ixod. of Nyasaland, WILSON **635**.

Parasitism.—**Man**: Acari in respiratory tract of man, DESCHIENS **167**; *Trombicula* (*E.*) *belkini* on man, GOULD **237**; Infestation of humans by *Dermanyssus gallinae*, ROMAN ET AL. **500**; *Dermacentor reticulatus* on man VERMEIL & PUECH **611**; Ixodidae on man, PAVLOVSKI **447**.

Mammalian hosts.—Acari and Ixod. on mammals in Ontario, JUDD **318**; Acari and Ixod. on Florida small mammals, WORTH **638**; Acari in respiratory tract of mammals, DESCHIENS **167**; *Hyalomma steineri enigkianum* on horse, SCHULZE **535**; Acari and Ixod. on farm animals in Egypt, SAID **507**; Ixodidae on domestic animals, PAVLOVSKI **447**; *Raillietia auris* on cattle, OLSEN & BRACKEN **436**; *Pneumonyssus simicola* in *Macacus rhesus*, KIRSCH **329**; *Trombicula* (*E.*) *belkini* on *Perognathus californicus*, GOULD **237**; *Histiophorus castoris* on beaver, HINZE **273**; Acari of grey fox, *Urocyon cinereargenteus*, EADS & MENZIES **193**; *Hypoaspis* (*A.*) *africanus* on *Saccostomus* sp.: *Thallomys damarensis*; *Tatera lobengulae*; *Desmodillus auricularis* [Rodent.]; *H.* (*A.*) *theseus* on *Mastomys coucha*; *Tatera brantsii*; *T. lobengulae*; *Aethiomys chrysopilus* [Rodent.]; *H.* (*A.*) *zuluensis* on *Aethiomys namaquensis* [Rodent.], ZUMPT **645**; *Laelaps simillimus* on *Thallomys namaquensis* and *L. transvaalensis* on *Otomys irroratus*, ZUMPT **646**; *Hypoaspis* (*Androlaelaps*) *africanoides* on *Tatera schinzi*, ZUMPT & PATTERSON **648**; *Neoichoronyssus* (*H.*) *affinis* on pine squirrel *Tamiasciurus douglasi*); *N.* (*H.*) *hilli* on pocket

mouse (*Perognathus parvus*); *N.* (*H.*) *triacanthus* on Merriam's kangaroo rat (*Dipodomys merriami*), WHARTON **304**; *Radfordilaelaps meridionalis* on common springhare, *Pedetes caffer*, ZUMPT **642**; *Atricholaelaps glasgowi* on prairie mole *Scalopus aquaticus machrinus*, OLIVE **435**; *Sarcoptes lasionycteris* on bat, *Lasionycteris noctivagans*, BOYD & BERNSTEIN **71**; Acari of bats, EYNDHOVEN **202**; *Ichoronyssus longisetosus* on lump nosed bat, *Corynorhinus rafinesquii intermedius* and *C. r. pallescens*; *I. britannicus* on bats, *Myotis californicus californicus*, *M. thysanodes thysanodes*, *M. volans interior*, FURMAN **219**; *Hirstesia transvaalensis* on *Miniopterus natalensis*, *Periglischrus africanus* and *Spinturnix viduus* on *Rhinolophus geoffroyi*, ZUMPT **643**; *Chiroptonyssus forsythi* on bat (*Chaerephon leucostigma*), ZUMPT **644**; *Ixodes vespertilionis* on bats, *Miniopterus schreibersi*, *Myotis myotis* and *Rhinolophus ferrum-equinum* LECLERCQ & THÉODORIDÈS **359**; *Trombicula batui* and *T. insolli* on *Eonycteris spelaea* (insectivorous bat), PHILIP & TRAUB **465**; *Echinolaelaps echidninus* subsp. *vitzthumi*, *E. hirsti* subsp. *ceylonicus*, *Haemolaelaps thompsoni* on *Rattus rattus kandyianus*; *Laelaps atypicus* on spiny rat (*Coelomys bicolor*); *Macrolaelaps taprobanicus* on *Bandicota malabarica*; *Meristaspis taprobanicus*; and *M. lateralis* subsp. *ceylonicus* on bat (*Rousettus seminudus*); *Spinturnix orientalis* on bat (*Taphozous* (*Saccolaimus*) *saccolaimus*), TURK **596**; *Ascoschöngastia masta* on *Rattus rattus*, TRAUB & SUNDERMEYER **594**; *Bdellonyssus bacoti* on *Rattus rattus*, BROWNING **80**; *Trombicula* (*N.*) *browni* on *Peromyscus maniculatus* (Rod.); *T.* (*N.*) *carterae* on *Peromyscus* sp.; *T.* (*N.*) *dinehartae* on *Peromyscus maniculatus*; *T.* (*N.*) *eusignata* on *Eutamias amoenus* (Rod.); *T.* (*N.*) *farrelli* on *Peromyscus* sp.; *T.* (*N.*) *goodpasteri* on *Pitymys pinetorum* (*Rod.*); *T.* (*N.*) *jewetti* on *Clethrionomys californicus* (Rod.); *T.* (*N.*) *lipovskyi* on *Peromyscus* sp.; *T.* (*N.*) *richmondi* on *Microtus pennsylvanicus*; *T.* (*N.*) *subsignata* on *Microtus pennsylvanicus*; *T.* (*N.*) *sylvilagi* on *Sylvilagus floridanus*; *T.* (*N.*) *varians* on *Citella columbianus* [Rod.], BRENNAN & WHARTON **76**; *Trombicula sylvestris* on *Rattus sabanus vociferans*, AUDY & TRAUB **33**; *Rhipicephalus sanguineus* on rats, FOX **217**; *Trombicula multisetosa* on *Evotomys glareolus* and *Apodemus flavicollis*, *A. sylvaticus*, WILLMANN **631**; *Eubrachylaelaps debilis* on deer mouse (*Peromyscus maniculatus*), JAMESON **330**; *Trombicula fuji* on field mouse, *Apodemus speciosus*, KUWATA ET AL. **345**; Acari of rats in China, LI & HSII **364**; *Laelaps multispinosus* on muskrat, MEYER & REILLY **393**; *Haemolaelaps bibbyi* on rat, probably *Rattus frugivorus*, STRANDTMANN **563**; *Trombicula fujigmo* on shrew (*Crocidura vorax*); *T. tamiyai* on (probably) *Microtus montebelli*, PHILIP & FULLER **464**; Acari of the short-tailed shrew, *Blarina brevicauda*, JAMESON **302**; *Ixodes persulcatus*, *I. ricinus*, *I. triangguliceps* on rodents in Poland, NAMYSŁOWSKA **419**; *Ixodes woodi* in nest of wood rat (*Neotoma* sp.), KOHLS **338**; *Argas pusillus* on bat; *Haemaphysalis hoogstraali* on badger; *H. palawanensis* on badger; *H. rusae* on *Rusa* sp. [Mam. Ungul]; *H. sciuri* on squirrel; *Ixodes werneri* on *Rattus palawanensis*, KOHLS **339**; *Ixodes ceylonicus* on mongoose (*Herpestes smithii zeylanicus*), KOHLS **337**; *Rhipicephalus tendeiroi* on lion, DIAS **170**; *Rhipicephalus piresi* on squirrel, *Paraxerus cepapi auriventris*, DIAS **171**; *Rhipicephalus serranoi* on *Oreotragus oreotragus oretragus*, DIAS **172**.

Parasitism.—Avian hosts: Analgesidae in feathers of birds DUBININ **183**; *Compressalges nipponiae* on *Nipponia nipponia* Temm., DUBININ **185**; Acari of birds, CASTELLARNAU **98**; *Mackiena empodiformia* [Trombiculid.] on weaver-finch (*Ploceus manyar peguensis*), TRAUB & EVANS **590**; *Trombicula* (*N.*) *alaskensis* on *Hylocichla ustulata* (Passer.); *T.* (*N.*) *waynensis* on *Melospiza georgiana* (Passer.), BRENNAN & WHARTON **76**; *Neonyssus belopolskii* in nasal cavity of *Ardea cinerea* and *Sternostomum minutus* in nasal cavity of *Charadrius hiaticula*. BREGETOVA **74**; *Neonyssus* (*N.*) *columbae* in nasal passages of *Columba domestica*, CROSSLEY **149**; *Ptilonyssus* (*P.*) *olaioi* on *Ampelion cucullatus*; *P.* (*R.*) *donatoi* on *Coragyps atratus foetens*; *P.* (*R.*) *souzai* on *Milvago chimachima chimachima* and *Rupornis magnirostris magniplumis*; *Neonyssus* (*P.*) *navajasi* on *Nothura maculosa*; *N.* (*P.*) *trappi* on *Tinamus solitarius*, PEREIRA & CASTRO **451**; *Cnemidocoptes jamaicensis* on golden thrush

(*Turdus aurantiacus*), TURK **595** ; *Cnemidocoptes mutans* on poultry, GRIFFITHS & O'ROURKE **250** ; *Argas passerinus* in nest of sparrow, SCHULZE **533** ; *Haemaphysalis minuta* on jungle-fowl (*Gallus lafayettii*), KOHLS **337**.

Parasitism.—Reptilian and Amphibian hosts : *Hannemania dunni* on Amphibians, HYLAND **296** ; *Trombicula* (*Eutrombicula*) *alfreddugesi* on copper-headed snake, *Agkistrodon contortrix*, HYLAND **295** ; *Schöngastia madecassa* on cameleon ANDRÉ **11** ; *Trombicula* (*E.*) *belkini* on *Phrynosoma coronatum frontale*, GOULD **237** ; *Amblyomma cubanum*, *Anocentor columbianus* and *Aponomma thumbi* on *Bufo peltocephalus*, SCHULZE **532** ; *Amblyomma diemeniae* on Australian Colubrid, *Diemenia textilis*, SCHULZE **534** ; *Aponomma gervaisi* on *Varanus* sp., BEHURA **45** ; *Aponomma halli* on *Varanus niloticus* and *V. exanthematicus*, TENDEIRO **580** ; *Hyalomma aegyptium* on tortoise, BROWNING **82** ; *Ixodes ricinus* on lizard, MARKER **379**.

Parasitism.—Invertebrate hosts : *Caraboecius coriacei* and *Percanestrinia saetolata* under elytra of *Procrustes coriaceus* : *Paramansia menthastri* under elytra of *Chrysomela menthastri* ; *Photia chrysocarabi* under elytra of *Chrysocarabus auronitens* ; *Procericola ichthyoides* under elytra of *Procerus gigas*, COOREMAN **141** ; *Dynatochela primus* on beetle, *Phyllophaga* sp., KEEGAN **324** ; *Acarapis woodi* in trachaea of honey bees, KOEGEL **336** ; *Histiostoma polypori* on earwig *Forficula auricularia*, BEHURA **46** ; *Microlichus uncus* on *Ornithomyia avicularia* [Hippoboscidae], JOHNSEN **311** ; *Calyptostoma lynceum* on *Limonia tripunctata* (Dipt. Tipulidae), SMITH **547** ; *Trombicula rara* on millipede, *Zephonia* ; *Euschöngastia* (*Ascoschöngastia*) sp. on *Zephonia* ; *Trombicula* (or ? *Tragardhula*) on scorpion, *Heterometrus longimanus*, AUDY **31** ; Acari on and in bees, ANDRÉ **10** ; Observations on the occurrence of water-mites on insects, CROWELL **150** ; *Hydryphantes altomontanus* on *Perlodes intricata* [Plecoptera], VITZTHUM **620** ; *Najadicola ingens* [Hydrach] in fresh-water clams, HUMES & JAMNBACK **294** ; Acari on Insects, ANON. **1**.

Parasitism.—Plant hosts : Tetranychidae, including new species and host plants, MCGREGOR **372** ; *Aegyptobia trägårdhi* on *Thuya orientalis*, *Brevipalpus olearius* on *Olea europa*, SAYED **514** ; *Epitetranychus altaeae* on cotton-plants, LEBEDEVA **357** ; *Paratetranychus indicus* on sugarcane, KHANNA & BANDYOPADHYAY **327** ; *Tetranychus bimaculatus* on guayula shrub (*Parthenium argentatum*), CASSIDY ET AL. **97** ; *Tetranychus ellipticus* on honey locust, *Gleditsia triacanthos*, SCHUDER **530** ; *Tetranychus tiliarum* on lime, DUIVEN **188** ; *Tetranychus* (*Epitetranychus*) sp. on cotton, PIONTKOVSKI **471** ; *Aceria essigi* on blackberry, HAMILTON **261** ; *Eriophyes avellanae* on hazel, LEATHERDALE **356** ; *Phytoptus* sp. on *Chrysanthemum* plant, MORISON **406**.

Parasitism.—Immunity : Experiments for and against acquired immunity, CHABAUD **106** .

Parasitism.—Host relationship : of *Najadicola ingens* [Hydrach.] in fresh-water clams, HUMES **293**.

Parasitism.—Transmission of disease : Rickettsia isolated from *Allodermanyssus sanguineus*, GAETANO **221** ; *Euschöngastia indica* infected with *Rickettsia tsutsugamushi*, TRAUB ET AL. **593** ; Laelaptid mites as vector, KEEGAN **325** ; *Liponyssus bacoti* vector of filariasis, BERTRAM **51**, **52** ; *Rickettsia* isolated from *Schöngastia indica*, GISPEN **230** ; *Trombicula akamushi* vector of scrub typhus, GISPEN **229** ; *Trombicula deliensis* vector of scrub typhus, SCRUB TYPHUS RES. UNIT **537** ; Ixod. vectors of encephalitis to man, CHUMAKOV **122** ; Some vertebrates as hosts of ticks, carriers of encephalitis. KOZLOVA & GRATCHER **342** ; Ixod. carriers of nuttalliosis and piroplasmosis, AGEINSKI **7** ; Ixodidae as carriers of Haemosporidia, MARKOV **381** ; Ixod. as vectors of Q-fever, WEYER **627** ; Ixod. vectors of tularemia, NAKAMURA **417** ; Tick paralysis, PHILLIPS & MURPHY **466** ; *Amblyomma americanum* vector of Bullis fever MORHOUSE & KUHNS **407** ; Presence of *Rickettsia bruneti* in *Amblyomma variegatum*, BLANC ET AL. **56** ; *Boophilus calcaratus* carrier *Piroplasma bigeminum* KORNEEV **341** ; Colorado tick fever virus isolated from *Dermacentor andersoni*, FLORIO ET AL. **214** ; *Dermacentor nuttalli* carrier of typhus, PETROVA-PIONTKOVSKAYA **459** ; *Dermacentor variabilis* causing tick paralysis in child, DAWSON ET AL. **153** ; Colorado tick fever

virus isolated from *Dermacentor variabilis*, FLORIO ET AL. **215**; *Haemaphysalis concinna* vector of typhus, ZHMAEVA **641**; *Haemaphysalis leachi* vector of Q fever, GIROUD **228**; *Haemaphysalis otophila* carrier of piroplasmosis, MARKOV **382**; *Hyalomma aegyptium* vector of *Theileria annulata*, RAY **480**; *Ixodes persulcatus* reservoir of encephalitis, FOLITAREK **216**; *Ixodes ricinus* and *I. persulcatus* and Babesiasis of cattle, SUDATCHENKOV **568**; *Ixodes ricinus* carrier of *Babesiella bovis*, PETROV **458**; *Ixodes ricinus* possible vector of tularemia, GIRARD **227**; *Ornithodoros erraticus* and recurrent fevers, BALTAZARD ET AL. **39**; *Ornithodoros moubata* vector of relapsing fever, GRÜN **252**; *Ornithodoros tholozani* reservoir of *Spirochaeta persica*, BOURGAIN **70**; *Ornithodoros turicata* vector of relapsing fever, EADS ET AL. **190**; *Rhipicephalus appendiculatus* vector of East Coast fever, WILSON **636**; Suspected case of tick paralysis in man due to *Rhipicephalus simus*, ZUMPT & GLAJCHEN **647**.

Acari of medical importance.—CHOW ET AL. **117**; Acari & Ixod. of possible medical significance in Texas, EADS & HIGHTOWER **191**; *Dematophagoides saitoi* in human sputum; *D. takeuchii* in urine; *D. scherewetewskyi* on human skin, SASA **510**; Transmission of scabies, SCHMIDT **521**.

Technique.—Capture and conservation of Scorp., VACHON **604**; Collecting and preserving Aran., LAWRENCE **351**; Collecting and preserving spiders, WHATMOUGH **629**; Collecting *Trombicula autumnalis*, JONES **315**; Methods of collecting Halacaridae, NEWELL **428**; Preparation of Acari, STARKOFF **557**; Aran. in captivity, CLOUDSLEY-THOMPSON **125**; Method for transport, egg-laying and conservation of Ixod., METIANU **392**; Observation chamber for *Ophionyssus natricis*, CAMIN **93**; Microchamber for Acari, MARNEFFE & DELHAYE **383**; Laboratory rearing of *Liponyssus bursa*, *L. sylviarum* and *Dermanyssus gallinae*, CHAMBERLAIN & SIKES **110**; Rearing of *Trombicula autumnalis*, JONES **313**; Artificial nutrition for ticks, CHABAUD **105**; Sampling technique for *Paratetranychus indicus*, KHANNA & BANDYOPADHYAY **327**.

Aestivation.—Eggs of *Halotydeus destructor*, NORRIS **431**.

Anabiosis. — Tardigrada, LABUNETZ **346**.

Web construction.—*Atypus abbotii*, BISHOP **55**; *Lithyphantes albomaculatus*, NØRGAARD **429**.

Cocoon construction.—*Teutana triangulosa*, MONTEROSSO **402**.

Spider silk.—Spider aeronauts and gossamer web, MUSGRAVE **412**.

Behaviour.—*Argiope bruennichi*, THOMAS **584**; *Pholcus phalangioides*, CHRYSANTHUS **120**; Salticidae, CRANE **146**; Reaction of Salticidae to colour and colour changes, KÄSTNER **321**; Spiders trussing up skipjack beetles, JACKSON **300**; Reaction of animal hosts to Acari, PFLUGFELDER **463**; Tropisms of *Liponyssus bacoti*, OVAZZA **442**; Responses to stimuli in *Trombicula autumnalis*, JONES **312**; *Trombicula autumnalis* RICHARDS **494**.

Economics.—Control: Araneae: *Latrodectus mactans*, FURMAN & KURTPINAR **219**; *Latrodectus geometricus*, KEEGAN ET AL. **326**.

Economics.—Control: Tetranychidae: ANON. **5**; ARMSTRONG **27**; CHAPMAN & LIENK **111**; DEAN **156**; GRUMMITT **251**; HALLER **260**; LATHROP & HILBORN **350**; MORGAN & DOWNING **405**; MORRIS **408**; NEWCOMER **426**; UNDERHILL **600**; WOLFENBARGER **637**.

Economics.—Control: Ixodoidea: CHIZH **116**; GOUCK & FLUNO **236**; KNOWLES & TERRY **333**; MCDUFFIE ET AL. **371**; MOORE **404**; TZELISHCHEV **599**.

Economics.—Control: Other Acari: *Cnemidocoptes fossor*, ANON. **4**; *Cnemidocoptes mutans*, GRIFFITHS & O'ROURKE **250**; *Psoroptes equi* v. *cuniculi*, NÁJERA & MAYER **415**; *Pediculoides ventricosus*, VOUKASSOVITCH **621**; *Phyllocoptruta oleivora*, SPENCER & OSBURN **554**; *Eriophyes pyri*, STUBBINGS **567**.

Economics.—Repellents: Trombiculid repellents, ANON. **6**; Tick repellents, GRANETT & FRENCH **247**; Tick repellents, SMITH & KING **546**.

DISTRIBUTION

PALAEARCTIC REGION

Great Britain.—Pantop., EALES **194**; Uropygidea, CLOUDLSEY-THOMPSON **128**; Opil., BROWN & SANKEY **77**; Opil. C[OLLIER] **133**; Opil., SANKEY **509**;

Opil., TODD 588; Aran., HULL 292; Aran., LAWRENCE 351; Aran., MURGATROYD 410; Aran., R[ICHARDS] 492; Aran., SEELEY 538; Aran., Opil., Pseudoscorp., CLOUDSLEY-THOMPSON 127; Acari, BROWNING 80, 81; Acari, PATRICK 445; Acari, RICHARDS 493, 494; Acari, SMITH 547; Ixod., ARTHUR 28.

France.—Aran., BONNET 61; Aran., DENIS 159, 160, 161, 165; Aran., DRESCO 180; Aran. Opil., DRESCO 181; Acari, ANDRÉ 12, 13; Hydrach., ANGELIER, C. 17, 18, 19, 20; Hydrach., ANGELIER, E. 21, 22, 23, 25; Acari, Hydrach., ANGELIER, E. 24; Hydrach., CHAUDONNERET & ANGELIER 112; Acari, COOREMAN 141; Ixod., COOREMAN 139; Acari, HOFFMANN 280; Ixod., LECLERCQ & THÉODORIDÈS 359; Hydrach., PETIT & DEBOUTTEVILLE, 457; Acari, ROMAN ET AL. 500; Aran., Hydrach., SCHACHTER 516; Ixod., SCHULZE 535.

Andorra.—Aran., DENIS 160.

Belgium.—Acari, COOREMAN 138, 141; Ixod., COOREMAN 139.

Holland.—Aran., CHRYSANTHUS 119, 121; Aran., JONG 317; Hydrach., BESSELING 53; Acari, EYNDHOVEN 202.

Denmark. — Pseudoscorp., LARSSON 349; Aran., NØRGAARD 430; Acari, HAMMER & NIELSEN 263; Acari, TUXEN 597.

Sweden.—Aran., JOHANSSON 310; Acari, DALENIUS 152; Acari, SELLNICK 539.

Finland.—Aran., HACKMAN 256; Acari, KARPPINEN 320; Aran., PALMGREN 443.

Finnish Lapland.—Aran., HACKMAN 255.

Portugal.—Acari, CASTELLARNAU 98.

Spain.—Ixod., COLEADO 132; Acari, GÓMEZ 233; Hydrach., MARGALEP 380; Opil., ROEWER 498.

Italy. — Scorp., CAPORIACCO 94; Scorp., Aran., CAPORIACCO 95; Opil., COOREMAN 140; Opil., ROEWER 498; Aran., DRESCO 178; Aran., KOLOSVÁRY 340; Acari, BOTTAZZI 69; Ixod., CAVACEPPI 104; Acari, SALVATERRA 508; Acari, STARKOFF & STARKOFF 558.

Switzerland.—Hydrach., THIENEMANN 583; Tardig., BARTOS 43.

Austria.—Opil., ROEWER 498; Aran., Opil., SCHENKEL 518; Acari, SCHINDLER 520; Acari, SELLNICK 540; Hydrach., VITZTHUM 620; Acari, WILLMANN 632, 633.

Germany. — Opil., ROEWER 498; Aran., CASEMIR 96; Acari, PAX 449; Acari, STRENZKE 565, 566; Acari, VIETS 612; Hydrach., VIETS 615; Acari, WILLMANN 631.

Yugoslavia.—Acari, COOREMAN 141.

Hungary.—Opil., SZALAY 575; Hydrach., SZALAY 576.

Czechoslovakia.—Tardig., BARTOŠ 44.

Poland.—Opil., RAFALSKI 479; Ixod., NAMYSŁOWSKA 419.

Rumania.—Acari, FEIDER 206, 207.

Greece.—Opil., ROEWER 498; Hydrach., VIETS 614.

Russia.—*Western Transcaucasus* Pseudoscorp., Opil., Aran., Acari, BIRSHTEIN 54; Acari, BARABASH-NIKIFOROV 40; Acari, BREGETOVA 74; Acari, DUBININ 185; Ixod., KHEISIN 328; Acari, LEBEDEVA 357; Ixod., MARKOV 379; *White Russia* Ixod., NAIDENOVA 413; *North Western Russia* Ixod., OLENEV 434; Ixod., ORLOV 441; Ixod., PIONTKOVSKAYA 472; Ixod., SUDACHENKOV 569; Acari, SOROKIN 552; *Kazakhstan* Ixod., GALUZO 222; *Kazakhstan* Ixod., TZELISHCHEVA 598; *Tadzhikista* Ixod., LOTOTZKI 369; *Tadzhikistan* Ixod., PAVLOVSKI ET AL. 448.

Minorca.—Ixod., COLEADO 132.

Corsica.—Opil., DRESCO 179; Opil., ROEWER 498.

Sardinia.—Opil., ROEWER 498.

Sicily.—Opil., ROEWER 498.

Crete.—Opil., ROEWER 498.

Europe.—Acari, MCGREGOR 374.

Algeria.—Acari, GRANDJEAN 241.

Mauritania.—Scorp., VACHON 606.

Tunis.—Opil., ROEWER 498.

North West Africa.—Scorp., VACHON 604; Hydrach., BREHM 75.

North Africa.—Scorp., VACHON 603; Ixod., BALTAZARD ET AL. 38, 39.

Egypt.—Aran., HASSAN 265; Acari, Ixod., SAID 507; Acari, SAYED 514, 515.

Afghanistan.—Scorp., VACHON & SERFATY **610**.

Manchuria.—Acari, ASANUMA **29**.

Mongolia.—Ixod., SVIRSKAYA **573**.

China.—Acari, BAKER & HOFFMANN **37**; Ixod., FENG & HWANG **210**; Acari, LI & HSII **364**; Ixod., SCHULZE **533**.

Japan.—Opil., SUZUKI **570, 571**; Acari, ASANUMA **29**; Hydrach., IMAMURA **298**; Acari, KUWATA **345**; Acari, PHILIP & FULLER **464**; Acari, SASA **510**; *Rui-Kui*, Opil., NAKATSUDI **418**.

ORIENTAL REGION

India.—Ixod., BEHURA **45**; Acari, PUTTARUDRAIAH **475**.

Ceylon.—Ixod., KOHLS **337**; Acari, TURK **596**.

Burma.—Acari, PHILIP & FULLER **464**; Acari, TRAUB & EVANS **590, 591**; Acari, TRAUB & SUNDERMEYER **594**.

Formosa.—Ambly., TAKASHIMA **579**.

Malaya.—Acari, AUDY **31**; Acari, AUDY & TRAUB **33**; Acari, AUDY ET AL. **32**; Acari, PHILIP & TRAUB **465**; Acari, SCRUB TYPHUS RES. UNIT **537**.

Indonesia.—Ixod., ANASTOS **9**.

Philippine Is.—*Palau Is.* Ambly., TAKASHIMA **579**; Aran., KEEGAN ET AL. **326**; Ixod., KOHLS **339**; Acari, MCGREGOR **372**; Acari, STRANDTMANN **563**.

AUSTRALIAN REGION AND POLYNESIA

Australia.—Aran., DUNN **189**; Ixod., SCHULZE **534**.

South Australia.—Aran., HICKMAN **270**.

New Zealand.—Acari, HAMILTON **261**.

Marianne Group.—Acari, MCGREGOR **372**.

Hawaiian Is.—Acari, MCGREGOR **372**.

ETHIOPIAN REGION

Sahara.—Scorp., BÉRÉNI **50**.

French Equatorial Africa.—Acari, LE GAC **362**.

Senegal.—Scorp., VACHON **608**; Solif., Pseudoscorp., VILLIERS **618**.

Portuguese Guinea.—Ixod., TENDEIRO **580**.

Angola.—Scorp., VACHON **609**; Palpig., REMY **488**; Acari, Ixod., DIAS **173**; Ixod., DIAS **168, 174**.

South Africa.—Ambly., LAWRENCE **355**; Opil., Aran., KAURI **323**; Ixod., THEILER **581**; Acari, ZUMPT **642, 643, 645, 646**.

Ethiopia.—Acari, ZUMPT & PATTERSON **648**.

Kenya.—Aran., DENIS **164**; Ixod., HEISCH & GRAINGER **268**; Ixod., WALTON **623**.

Uganda.—Aran., DENIS **164**.

Belgian Congo.—Solif., Opil., ROEWER **497**; Acari, TRÄGÅRDH **589**.

Nyasaland.—Ixod., WILSON **635**.

Tanganyika Territory.—Aran., DENIS **164**; Ixod., PHIPPS **467**.

Mozambique.—Ixod., DIAS **169, 170, 171, 172**.

Mauritius.—Scorp., Ambly., VINSON **619**.

Madagascar.—Scorp., Aran., Ixod., DECARY **158**; Palpig., REMY **486**; *Europa Id.*, Aran., PAULIAN **444**; Acari, ANDRÉ **11**; Hydrach., VIETS **615**; Acari and Ixod., ZUMPT **644**.

NEARCTIC REGION

Alaska.—Aran., Acari, Ixod., WEBER **626**; Hydrach., NEWELL **427**.

Canada.—Aran., SCHENKEL **519**; Ixod., BROWN & KOHLS **79**; Hydrach., HABEEB **254**; Acari, Ixod., JUDD **318**; Acari, MCGREGOR **372**.

United States of America.—Pseudoscorp., HOFF **275**; Acari, BRENNAN & WHARTON **76**; Acari, EWING **199**; Acari, JAMESON **302**; Acari, MCGREGOR **373, 374**.

Eastern States.—Hydrach., HUMES & JAMNBACK **294**.

North Central States.—Arach., EDDY & HODSON **196**.

North West States.—Pseudoscorp., HATCH **266**.

California.—Aran., SCHENKEL **519**; Acari, FURMAN **219**; Acari, GOULD **237**; Acari, JAMESON **303, 304**; Acari, MCGREGOR **372**.

Colorado.—Acari, OLSEN & BRACKEN **436**.

Florida.—Aran., BRYANT **84**; Acari, MCGREGOR **372**; Ixod., ROGERS & MILLS **499**; Acari, WORTH **638, 639**; Aran., WALLACE **622**.

Georgia.—Acari, BAKER & HOFFMANN **37**.

Illinois.—Acari, BAKER **36**; Acari, BAKER & HOFFMANN **37**.

Iowa.—Acari, RICHARDSON **495**.

Maine.—Acari, MEYER & REILLY **393**.

Mississippi.—Acari, BAKER & HOFFMANN **37**; Acari, MCGREGOR **372**.

Missouri. — Aran., Opil., Acari, DOWDY **177**.

Nebraska.—Acari, KEEGAN **324**.

Nevada.—Acari, JAMESON **304**.

North Carolina.—Acari, BAKER & HOFFMANN **37**; Acari, HYLAND **295**.

New Jersey.—Pseudoscorp., THÉODORIDÈS **582**.

Ohio.—Acari, OLIVE **435**.

Oregon.—Acari, MCGREGOR **372**; Aran., SCHENKEL **519**.

Pennsylvania.—Acari, BOYD & BERNSTEIN **71**.

Texas.—Acari, CROSSLEY **149**; Acari, Ixod., EADS & HIGHTOWER **191**; Ixod., EADS & MENZIES **192**; Acari, Ixod., EADS & MENZIES **193**; Ixod., EADS ET AL. **190**; Ixod., KOHLS **338**; Acari, MCGREGOR **372**.

Utah.—Acari, KNOWLTON & MA **334**.

Virginia.—Acari, HUGHES **289**; Acari, MCGREGOR **372**.

Washington.—Acari, MCGREGOR **372**.

Wisconsin.—Ixod., KNIPPING ET AL. **332**.

CENTRAL AMERICA

Cuba.—Ixod., SCHULZE **532**.

Jamaica.—Aran., BRYANT **83**; Ixod., THOMPSON **585**; Acari, TURK **595**.

Mexico.—Acari, BAKER & HOFFMANN **37**; Acari, MCGREGOR **372**; Ixod., MAZZOTTI **387**.

Panama.—Aran., CHICKERING **113, 114**; Acari, GRANDJEAN **241**.

Puerto Rico.—Ixod., FOX **217**; Acari, MCGREGOR **372**.

Virgin Is.—Ixod., HALL **258**.

West Indies.—Scorp., WATERMAN **624, 625**.

SOUTH AMERICA

Argentina.—Pseudoscorp., HOFF **276**; Aran., PIKELIN DE GERSCHMAN & SCHIAPELLI **470**; Acari, FIGUEIREDO **212**; Acari, NESBITT **422**.

Bolivia.—Acari, LOMBARDINI **367**.

Brazil.—Scorp., BÜCHERL **88**; Opil., MELLO-LEITÃO **389**; Aran., BÜCHERL **85**; Aran., CAMARGO **91, 92**; Acari, LOMBARDINI **367**; Acari, MCGREGOR **372**; Acari, PEREIRA & CASTRO **451**; Ixod., SOUZA LOPES & MACEDO **553**.

Colombia.—Opil., ROSAS COSTA **502**.

Ecuador.—Opil., MELLO-LEITÃO **389**; Aran., EXLINE **200, 201**.

Peru.—Scorp., Pseudoscrop., Solif., Opil., Aran., Acari, Ixod., TITSCHACK **587**; Opil., MELLO-LEITÃO **389**; Aran., EXLINE **201**.

Venezuela. — Aran., CRANE **147**; Acari, GRANDJEAN **241**; Acari, LOMBARDINI **367**.

MARINE

Mediterranean.—Pantop., LE CALVEZ **358**.

Indian Seas.—Pantop., KURIEN **344**.

Brazilian Waters.—Pantop., SAWAYA **512**.

Antarctic Ocean.—Pantop., HEDGPETH **267**; Halacaridae, VIETS **613**.

GEOLOGICAL

Pleistocene.—Baltic Amber spiders, PETRUNKEVITCH **460**; *Salticus seymouri*, Interglacial lignite, Vancouver, PIERCE **468**.

Permian.—*Onychothelyphonus bonneri* in onyx marble, Arizona, PIERCE **469**.

Silurian.—Eurypt., Australia, FLETCHER **213**; Eurypt., West Virginia, KJELLESVIG-WAERING **330**; Eurypt., Florida, KJELLESVIG-WAERING **331**.

Proterozoic.—*Protadelaidea howchini* in rocks, Tea-tree Gully, Adelaide, Australia, TILLYARD **586**.

MYRIOPODA

GENERAL LITERATURE AND HISTORY

Text books.—SCHUBART **527**.

History.—Chilop., Diplop., of Ireland, PRAEGER **474**.

Bibliography.—Myriop, attacking cultivated plants, REMY **483**.

Collections.—Myriapods of Musée Océangraph. Monaco, BELLOC **49**.

STRUCTURE

External anatomy.—Chilop., Diplop., BULLOUGH **89**; Variations in gonopods of *Nannaria scutellaria*, CAUSEY **99**

Mandibules.—Chilop., Diplop., Symph., Paurop., SNODGRASS **549**.

Muscles.—Mandibules of Chilop., Diplop., Symph., Paurop., SNODGRASS **549**.

PHYSIOLOGY

Osmic relations.—Water relations and cuticle in *Paradesmus gracilis*, CLOUDSLEY-THOMPSON **130**.

Bio chemistry.—Aromatic tanning in the Myriapod cuticle, BLOWER **58**; Ribonucleoproteins in oocyte of *Glomeris marginata*, FAURE-FREMIET ET AL. **204**.

Toxins : Venoms.—Antibiotic activity of extracts from *Trogloiulus mirus*, *Schizophyllum sabulosum* and *Callipus longobardius castanearum*, PAVAN **446**; Bite of *Scolopendra subspinipes*, REMINTGON **481**.

Effect of chemicals.—Airplane applications of DDT on Chilop., Diplop., Symph., Paurop., HOFFMANN ET AL. **281**.

DEVELOPMENT

Segmentation.—*Dolistenus savii*, SILVESTRI **544**; Diplop., SILVESTRI **545**.

Larval Stages.—*Cormocephalus multispinus*, LAWRENCE **354**.

ECOLOGY AND HABITS

Ecological associations.—Chilop., Diplop. of oak-hickory in Missouri, DOWDY **177**.

Ecological associations.—Cavernicolous: Chilop., Diplop. in Central Pyrenees, DRESCO **181**; Chilop., Diplop. Western Transcaucasus, BIRSHTEIN **54**; *Pseudotremia hobbsi* [Diplop.], HOFFMAN **279**.

Migration.—*Zantekius weberi* [Diplop.], CHAMBERLIN **108**.

General habits.—*Cormocephalus multispinus*, LAWRENCE **354**; Chilop., Diplop., LARSSON **348**; *Scolopendra subspinipes*, REMINGTON **481**.

Feeding habits.—*Blaniulus guttulatus* CLOUDSLEY-THOMPSON **124**.

Population Studies.—Myriop JAHN., **301**.

Enemies.—Enemies of Myriapods, REMY **487**; Diplop. as prey of ants SCHUBART **529**.

Commensalism.—Diplop. and ants, SCHUBART **529**.

Technique.—Chilop. in captivity, CLOUDSLEY-THOMPSON **125**.

Economics.—*Blaniulus guttulatus*, CLOUDSLEY-THOMPSON **124**.

DISTRIBUTION

PALAEARCTIC REGION

England.—Chilop., Diplop., CLOUDSLEY-THOMPSON **127**.

France.—Chilop., ANGELIER, E. **24**; Diplop., CONDÉ **137**; Chilop., Diplop., DRESCO **181**; Chilop., GOUX **238**.

Denmark.—Chilop., Diplop., LARSSON **348**.

Italy.—Chilop., Diplop., MANFREDI **375**.

Germany.—Diplop., SCHUBART **522**.

Poland.—Diplop., STOJAŁOWSKA **562**.

Western Transcaucasus.—Chilop., Diplop., BIRSHTEIN **54**.

Algeria.—Diplop., MARQUET & CONDÉ **384**.

Egypt.—Diplop., ATTEMS **30**.

Japan.—Diplop., TAKAKUWA **578**.

ORIENTAL REGION

Ceylon.—Diplop., ATTEMS **30**.

Cocos Islands.—Chilop., Diplop., CHAMBERLIN **109**.

Philippine Is.—Chilop., REMINGTON **481**.

ETHIOPIAN REGION

Angola.—Paurop., REMY **485**.

Belgian Congo.—Diplop., CHAMBERLIN **108**.

Uganda.—Diplop., ATTEMS **30**.

Tanganyika Territory.—Diplop., ATTEMS **30**; Diplop., CONDÉ **136**.

East Africa.—Diplop., ATTEMS **30**; Diplop., CONDÉ **135**.

Madagascar.—Diplop., DECARY **154**; Diplop., MARQUET & CONDÉ **388**; Paurop, REMY **485**.

Réunion.—Diplop., MARQUET & CONDÉ **384**.

NEARCTIC REGION

Alaska.—Chilop., WEBER **626**.

Canada.—Chilop., CRABILL **143**.

North America.—Diplop., HOFFMAN **277**; Diplop., LOOMIS **368**.

North Central States.—Myriop, EDDY & HODSON **196**.

Arizona.—Chilop., CRABILL **144**.

Arkansas.—Diplop., CAUSEY **101, 102, 103**.

California.—Chilop., AUERBACH **34**; Diplop., CHAMBERLIN **107**.

Georgia.—Diplop., HOFFMAN **278**.

Idaho.—Diplop., CHAMBERLIN **107**.

Illinois.—Diplop., CAUSEY **103**.

Kentucky.—Diplop., CAUSEY **100**.

Mississippi.—Diplop., CAUSEY **102**.

Missouri.—Chilop., Diplop., DOWDY **177**.

North Carolina.—Diplop., CAUSEY **101**; Diplop., HOFFMAN **278**.

North Dakota.—Diplop., CAUSEY **102**.

Oregon.—Diplop., CHAMBERLIN **107**.

South Carolina.—Chilop., CRABILL **145**; Diplop., HOFFMAN **278**.

Tennessee.—Diplop., CAUSEY **100**; Diplop., HOFFMAN **278**.

Virginia.—Diplop., HOFFMAN **279**.

Bermuda.—Chilop., Diplop., CHAMBERLIN **109**.

CENTRAL AMERICA

Costa Rica.—Diplop., ATTEMS **30**.

Guatemala.—Diplop., HOFFMAN **279**.

Mexico. — Symph., HINSCHBERGER **272**; Diplop., SILVESTRI **543**.

St. Lucia, West Indies.—Chilop., CHAMBERLIN **109**.

SOUTH AMERICA

Argentina.—Diplop., REMY **482**; Paurop., REMY **484**.

Brazil.—Diplop., ATTEMS **30**; Diplop., SCHUBART **523, 524, 525, 526, 528**.

British Guiana.—Chilop., Diplop., CHAMBERLIN **109**.

Chile.—Diplop., ATTEMS **30**.

Colombia.—Diplop., REMY **482**.

Dutch Guiana.—Diplop., JEEKEL **308**.

Paraguay.—Diplop., ATTEMS **30**.

Peru.—Chilop., BÜCHERL **86**; Diplop., SILVESTRI **543**; Chilop., Diplop., TITSCHACK **587**.

Surinam.—Diplop., JEEKEL **307**.

Venezuela.—Chilop., BÜCHERL **87**; Chilop., Diplop., CHAMBERLIN **109**; Diplop., ATTEMS **30**.

Galapagos Is.—Chilop., CHAMBERLIN **109**.

ONYCHOPHORA

PHYSIOLOGY

Locomotion. — *Peripatus*, MANTON **376**.

Effects of environment.—Reactions to humidity of *Peripatopsis moseleyi*, BURSELL & EWER **90**.

DEVELOPMENT

Development.—*Peripatus*, LAWRENCE **352**.

ECOLOGY

Enemies and Defence.—Parasites and disease organisms: Slime glands of Peripatus, LAWRENCE **352**.

Breeding habits.—*Peripatus*, LAWRENCE **352**.

Feeding habits.—*Peripatus*, LAWRENCE **352**.

Moults.—*Peripatus*, LAWRENCE **352**.

Locomotion. — *Peripatus*, MANTON **376**.

III.—SYSTEMATIC INDEX

N.B.—The numbers in large Clarendon type refer to the list of Titles, those in small to the volume number of the reference.

MEROSTOMATA

XIPHOSURA

[no record].

EURYPTERIDA

†*Hughmilleria bellistriata* **sp. nov.** in Silurian Cayugan Wills Creek formation, Elkhorn Mountain, Bass, Hardy Co., West Virginia p. 226 figs., KJELLESVIG-WAERING J. Paleont. Menasha Wis. **24** 1950.

†*Pterygotus floridanus* **sp. nov.** Tillis well [oil well] Suwanee Co., Florida p. 229 figs. KJELLESVIG-WAERING J. Paleont. Menasha Wis. **24** 1950.

PANTOPODA

United States Navy Antarctic Expedition, 1947–48, HEDGPETH **267.**

Anoplodactylus aragaoi **sp. nov.** ♂ . ♀ amongst Hydrozoa, Bryozoa and algae, Espirito Santo, Brazil p. 63 figs.; *A.* key to spp. p. 68, SAWAYA Mem. Inst. Osw. Cruz. **47** 1950.

(?) *Boehmia dubia* **sp. nov.** ♀ Cape Royds, Ross Island, Antarctic Ocean p. 155 fig., HEDGPETH Proc. U.S. nat. Mus. 1950 **100.**

Nymphon multidens notes on ♂ p. 149 fig., HEDGPETH **267.**

Nymphonella tapetis new for Mediterranean p. 114 fig., LE CALVEZ **358.**

Propallene kempi redescribed p. 44 figs., GNANAMUTHU **232.**

Pycnogonum claudum status discussed = *Pycnopallene clauda* q.v., STOCK **561.**

Pycnopallene **gen. nov.** defined p. 627; type species *Pycnogonum claudum* Loman (1908) redescribed p. 629 fig., STOCK Treubia. **20** 1950.

ARACHNIDA

Taxonomic keys to common species of North Central States of America, EDDY & HODSON **196.**

SCORPIONES

List of species of North Africa with distribution: families Scorpionidae and Chactidae reviewed, VACHON **603.**

Key to families, special reference to North West Africa p. 389 figs., VACHON **604.**

Classification with list of West Indian species, WATERMAN **624.**

BUTHIDAE key to species and subspecies p. 397 figs., VACHON **604.**

Butheoloides monodi **sp. nov.** ♂ Fissel, Senegal p. 170 figs., VACHON Bull. Soc. zool. Fr. **75** 1950.

Buthotus alticola abnormal p. 91 figs., VACHON & SERFATY **610.**

Compsobuthus berlandi **sp. nov.** ♀ Kedia d'Idjil, Fort-Gourand, Mauritania p. 456 figs., VACHON Bull. Mus. Hist. nat. Paris (2) **22** 1950.

Euscorpius carpathicus, *E. flavicaudis*, *E. germanus*, *E. italicus* and subspecies, synonymy, with key and distribution in Italy p. 159, CAPORIACCO **94**; *E. carpathicus* notes p. 190; *E. flavicaudis* notes p. 192 figs.; *E. italicus* notes p. 190 figs., VACHON **603**; *E.* key to species p. 412 figs., VACHON **604.**

Mesobuthus **gen. nov.** defined [Buthidae] p. 152; type species *Androctonus eupeus* C. L. Koch, 1839, p. 152, VACHON Arch. Inst. Pasteur Alger. **28** 1950.

Odontobuthus **gen. nov.** defined [Buthidae] p. 153; type species *Buthus doriae* Thorell 1877 p. 153, VACHON Arch. Inst. Pasteur, Alger **28** 1950.

Scorpio maurus notes p. 161 figs.; *S. maurus fuliginosus* notes p. 179 figs.; *S. maurus hesperus* notes p. 168 figs.; *S. maurus maurus* notes p. 166 figs.; *S. maurus mogadorensis* notes p. 176 figs.; *S. maurus occidentalis* notes p. 185 figs.; *S. maurus subtypicus* notes. p 171 figs.; *S. maurus tunctanus* notes p. 174 figs.; *S. maurus weidholzi* notes p. 182 figs., VACHON **603**; *S. maurus* key to subspp. p. 406 figs., VACHON **604.**

Tityus costatus ♂ described p. 13 figs.; *T. lutzi* ♂ described p. 11 figs., BÜCHERL & NAVAS **88.**

Uroplectes occidentalis var. *monardi* **var. nov.** ♀ Dundo, Angola p. 15 figs.; *U. occidentalis* redescribed p. 12 figs., VACHON Publ. Cult. Comp. Diam. Angola 1950.

UROPYGI

†*Onychothelyphonus* **gen. nov.** [Thelyphonidae] defined p. 102 ; type species *O. bonneri* **sp. nov.** in onyx marble, Bonner Quarry, Ashfork, Arizona p. 103 fig., PIERCE Bull. S. Calif. Acad. Sci. **49** 1950.

AMBLYPYGI

Damon variegatus chaetotaxy and sex characters p. 282 figs., LAWRENCE **355.**

Phrynichus scullyi characters p. 276 figs., LAWRENCE **355.**

PALPIGRADI

Koenenia antanosa **sp. nov.** ♀ Environs of Fort Dauphin, Madagascar p. 144 fig. ; *K. bara* **sp. nov.** ♀ Tongobory, Madagascar p. 146 fig. ; *K. chartoni* **sp. nov.** ♀ Nosy Bé, Hellville, Madagascar p. 142 fig. ; *K. delphini* **sp. nov.** ♂ . ♀ Bezavona, Fort Dauphin, Madagascar p. 148 fig. ; *K. lauteli* **sp. nov.** ♀ Andranofotsikely, Tuléar, Madagascar p. 151 fig. ; *K. sakalava* **sp. nov.** ♀ Ampasindava Bay, Madagascar p. 139 fig., REMY Mém. Inst. Sci. Madagascar **4A** 1950 ; *K. machadoi* **sp. nov.** Nova Redondo, Quanza Sal, Angola p. 123 figs., REMY Publ. Cult. Comp. Diam. Angola, No. 7 1950.

Koeneniodes frondiger **sp. nov.** ♀ Nosy Mamoko, Ampasindava Bay, Madagascar p. 154 figs. ; *K. madecassus* **sp. nov.** ♀ Hellville, Nosy Bé, Madagascar p. 157 figs., REMY Mém. Inst. Sci. Madagascar **4A** 1950.

Prokoenenia millotorum **sp. nov.** ♂ . ♀ Nosy Bé, Réserve naturelle de Lokobe, Madagascar p. 136 fig., REMY Mém. Inst. Sci. Madagascar **4A** 1950.

RICINULEI

[no record.]

PSEUDOSCORPIONES

Austrochthonius argentinae **sp. nov.** ♀ Pampa de Olaen, Córdoba, Argentina p. 225 figs., HOFF Arthropoda, Buenos Aires **1** 1950.

Dinoroncus argentiniensis **sp. nov.** ♀ La Sébila, La Rioja, Argentina p. 229 figs., HOFF Arthropoda, Buenos Aires **1** 1950.

Hysterochelifer proprius **sp. nov.** ♂ . ♀ Flagstaff, Arizona p. 4 figs., HOFF Amer. Mus. Novit. No. 1448 1950.

Paisochelifer emended p. 9 ; *P. utahensis* **sp. nov.** ♂ . ♀ Utah Lake, Utah p. 11 figs., HOFF Amer. Mus. Novit. No. 1448 1950.

Serianus minutus **sp. nov.** ♀ . ♂ Punta Piedra, Buenos Aires, Argentina p. 233 figs., HOFF Arthropoda, Buenos Aires **1** 1950.

SOLIFUGAE

Solpuga richardi **sp. nov.** ♂ Elisabethville, Belgian Congo p. 53 fig., ROEWER Rev. Zool. Bot. afr. **44** 1950.

Solpugeira quarrei **sp. nov.** ♂ Elisabethville, Belgian Congo p. 52 fig., ROEWER Rev. Zool. Bot. afr. **44** 1950.

OPILIONES

Key to families of Laniatores, MELLO-LEITÃO **389.**

Additional county records, England, SANKEY **509.**

DASYPOLEPTINAE **subfam. nov.** defined p. 13, MELLO-LEITÃO Bol. Mus. Nac. Rio Zool. No. 94 1949.

GONYLEPTIDAE key to subfam. p. 11, MELLO-LEITÃO **389.**

ISCHYROPSALIDIDAE revision of family p. 11, ROEWER **498.**

STYGNOMMATIDAE **fam. nov.** defined p. 5, MELLO-LEITÃO Bol. Mus. Nac. Rio. Zool. No. 94 1949.

SIRONIDAE Synonymic and zoogeographical catalogue of genera and species, ROSAS COSTA **502.**

TRIONYXELLIDAE **fam. nov.** defined p. 6, MELLO-LEITÃO Bol. Mus. Nac. Rio. Zool. No. 94 1949.

TROGULIDAE revision of family with key to genera p. 54, ROEWER **498.**

Abanatus **gen. nov.** [Assamiidae, Maruinae] defined p. 49 ; type species *A. beloti* **sp. nov.** ♂ Aba, Belgian Congo p. 49 fig., ROEWER Rev. Zool. Bot. afr. **44** 1950.

Argyraster **gen. nov.** [fam. ?] type species *A. amamiana* **sp. nov.** Amami-Ôsima, Riu-Kiu p. 503 fig., NAKATSUDI Zool. Mag. Tokyo **54** 1942.

Bwitonatus **gen. nov.** [Assamiidae, Hypoxestinae] defined p. 37; type species *B. marlieri* **sp. nov.** ♂ Kiuri (Bwito, Bungembi), Belgian Congo p. 37 fig., ROEWER Rev. Zool., Bot. Afr. **44** 1950.

Conomma ealae **sp. nov.** ♂ . ♀ Eala, Belgian Congo p. 31., ROEWER Rev. Zool. Bot. afr. **44** 1950.

Dasypoleptes **gen. nov.** [Gonyleptidae, Dasypoleptinae] defined p. 14; type species *D. guttulatus* **sp. nov.** ♀ Santa Teresa, Espirito Santo, Brazil p. 14 figs., MELLO-LEITÃO Bol. Mus. Nac. Rio. Zool. No. 94 1949.

Dicranopalpus fraternus **sp. nov.** Bratkovska, Northeastern Carpathians p. 17 fig., SZALAY Ent. Tidskr. Stockh. **71** 1950.

Discocyrtus pizai **sp. nov.** ♂ Agulhas Negras, Brazil p. 18 fig.. MELLO-LEITÃO Bol. Mus. Nac. Rio Zool. No. 94 1949.

Ealabius **gen. nov.** [Assamiidae, Hypoxestinae] defined p. 35; type species *E. ghesquierei* **sp. nov.** ♂ Eala, Belgian Congo p. 36 fig., ROEWER Rev. Zool. Bot. afr. **44** 1950.

Ereala **gen. nov.** [Assamiidae, Erecinae] defined p. 44; type species *E. armata* **sp. nov.** ♀ . ♂ Eala, Belgian Congo p. 44 fig., ROEWER Rev. Zool. Bot. afr. **44** 1950.

Erecanana chelispina **sp. nov.** ♂ Rutshuru, Belgian Congo p. 32 fig., ROEWER Rev. Zool. Bot. afr. **44** 1950.

Erecella signata **sp. nov.** ♀ Okondo, (Bukundi), Belgian Congo p. 40 fig., ROEWER Rev. Zool. Bot. afr. **44** 1950.

Erecongoa **gen. nov.** [Assamiidae, Erecinae] defined p. 43; type species *E. gracilis* **sp. nov.** ♂ . ♀ Eala, Belgian Congo p. 43 fig., ROEWER Rev. Zool. Bot. afr. **44** 1950.

Eregonda **gen. nov.** [Assamiidae, Erecinae] defined p. 41; type species *E. tenuis* **sp. nov.** ♂ . ♀ Eala, Belgian Congo p. 41 fig., ROEWER Rev. Zool. Bot. afr. **44** 1950.

Faradjea **gen. nov.** [Assamiidae, Erecinae] defined p. 46; type species *F. schoutedeni* **sp. nov.** ♂ . ♀ Faradje, Belgian Congo p. 46 fig., ROEWER Rev. Zool. Bot. afr. **44** 1950.

Gagrella cyanea new record, Amami-ohshima Id. and Yaku-shima Id., Japan p. 53, SUZUKI **571.**

Gyndesops pretiosus **sp. nov.** ♂ Itatiaia, Brazil p. 20 fig., MELLO-LEITÃO Bol. Mus. Nac. Rio. Zool. No. 94 1949.

Holcobunus segadasi **sp. nov.** ♂ Campo das Antas, Teresópolis, Brazil p. 1 fig., MELLO-LEITÃO Bol. Mus. Nac. Rio. Zool. No. 94 1949.

Ischyropsalis revision of genus with key to species p. 11; *I. alfkeni* **sp. nov.** ♂ Thüringen, Germany p. 19 figs.; *I. amseli* **sp. nov.** ♂ Sardinia p. 33 figs.; *I. archeri* **sp. nov.** ♂ Biscaya, Spain p. 48 figs.; *I. asturica* **sp. nov.** ♀ Asturia, Spain p. 48 figs.; *I. austriaca* **sp. nov.** ♀ Pustertal, Austria p. 22 figs.; *I. balcanica* **sp. nov.** ♀ Balkan Mountains p. 30 figs.; *I. caporiaccoi* **sp. nov.** ♂ Sicily p. 33 figs.; *I. corsica* **sp. nov.** ♀ Corsica p. 34 figs.; *I. crassichelis* **sp. nov.** ♂ Enns-Tah, Austria p. 25 figs.; *I. danubia* **sp. nov.** ♀ Lower Austria p. 21 figs.; *I. franzi* **sp. nov.** ♀ Hohe Tauern, Austria p. 22 figs.; *I. goodnighti* **sp. nov.** ♂ . ♀ Morea, Greece p. 31 figs.; *I. janetscheki* **sp. nov.** ♀ Hohe Tauren, Austria p. 22 figs.; *I. kästneri* **sp. nov.** ♀ Rauhe Alb, Germany p. 19 figs.; *I. knirschi* **sp. nov.** ♂ . ♀ Monte Baldo, Italy p. 27 figs.; *I. kratochvili* **sp. nov.** ♀ Crete p. 32 figs.; *I. moreana* **sp. nov.** ♂ . ♀ Morea, Greece p. 31 figs.; *I. navarrensis* **sp. nov.** ♀ Navarra, Spain p. 44 figs.; *I. nicaea* **sp. nov.** ♂ Riviera p. 36 figs.; *I. nivalis* **sp. nov.** ♀ Lower Austria p. 26 figs.; *I. pentelica* **sp. nov.** ♂ . ♀ Attika, Greece p. 29 figs.; *I. pestae* **sp. nov.** ♂ Leitha Mts., Austria p. 28 figs.; *I. reimoseri* **sp. nov.** ♂ . ♀ Steiermark, Austria p. 23 figs.; *I. scutata* **sp. nov.** ♀ Upper Austria p. 26 figs.; *I. segregata* **sp. nov.** ♀ Salzkammergut, Austria p. 28 figs.; *I. spinichelis* **sp. nov.** ♀ Duchsteingebiet, Austria p. 25 figs.; *I. strasseri* **sp. nov.** ♀ Dolomites, South Tyrol p. 22 figs.; *I. styriaca* **sp. nov.** ♀ Enns-Tal, Austria p. 23 figs.; *I. tirolensis* **sp. nov.** ♂ Dolomites, South Tyrol p. 23 figs.; *I. troglodytes* **sp. nov.** ♂ . ♀ Crete p. 32 figs.; *I. turki* **sp. nov.** ♂ . ♀ Aegina Id., Greece p. 31 figs.; *I. hadzii* **nom. nov.** pro *Phalangium cancroides* Schmidt 1851 praeocc. p. 52; *I. abei* p. 50 figs.; *I. adamii* p. 33 figs.; *I. apuana* p. 36; *I. bosnica* p. 29 figs.; *I. carli* p. 19 figs.; *I. corcyraea* p. 28

figs. ; *I. dacica* p. 30 figs. ; *I. dentipalpis* p. 36 ; *I. dispar* p. 44 figs. ; *I. frankenbergeri* p. 21 fig. ; *I. helwigii* p. 17 figs. ; *I. helvetica helvetica* p. 20 figs. ; *I. helvetica milleri* p. 20 figs. ; *I. herbstii* p. 25 figs. ; *I. lucantei* p. 42 figs. ; *I. lusitanica* p. 50 figs. ; *I. luteipes* p. 38 figs. ; *I. madalenae* p. 46 figs. ; *I. manicata* p. 29 figs. ; *I. müllneri* p. 26 figs. ; *I. nodifera* p. 40 figs. ; *I. pectiginosa* p. 48 figs. ; *I. pectinifera* p. 21 figs. ; *I. plicata* p. 24 figs. ; *I. pyrenaea* p. 40 figs. ; *I. robusta* p. 46 figs. ; *I. ruffoi* p. 36 ; *I. strandi* p. 34 figs. ; *I. superba* p. 42 figs. ; *I. taunica* p. 18 figs. ; *I. triglavensis* p. 24 figs., ROEWER Senckenbergiana, Frankfurt **31** 1950.

Itequahy **gen. nov.** [Gonyleptidae, Gonyleptinae] defined p. 28 ; type species *I. ensiferus* **sp. nov.** ♀ Rio Itecuahy, Amazonas, Brazil p. 29 fig., MELLO-LEITÃO Bol. Mus. Nac. Rio. Zool. No. 94 1949.

Langodinus **gen. nov.** [Phalangodidae] defined p. 7 ; type species *L. flavipes* **sp. nov.** ♂ Guayaquil, Ecuador p. 7, MELLO-LEITÃO Bol. Mus. Nac. Rio. Zool. No. 94 1949.

Larifugella afra and *L. natalensis* notes p. 66 figs., KAURI **323.**

Metagovea **gen. nov.** [Sironidae, Stylocellinae] defined p. 130 ; type species *M. disparunguis* **sp. nov.** ♂ Rionegro, Antioquia, Colombia p. 131 figs., ROSAS COSTA Arthropoda, Buenos Aires **1** 1950.

Monomontia lawrencei **sp. nov.** ♂ Kar Kloof waterfall, NE Pietermaritzburg, Natal p. 65 figs., KAURI K. fysiogr. Sällsk. Lund Förh. **20** 1950.

Nelima genufusca pumilio **subsp. nov.** ♂ Yaku-shima Id., Kagoshima, Japan p. 49 figs., SUZUKI J. Sci. Hiroshima Univ. Zool. **11** 1950 ; *N. silvatica* characters compared with *N. doriae*, habitat and range p. 867 figs., BROWN & SANKEY **77.**

Nemastoma janetscheki **sp. nov.** ♂ . ♀ Fritz-Otto-Höhle, Wilden Kaiser, Kufstein, North Tirol p. 766, SCHENKEL Rev. suisse Zool. Genève **57** 1950.

Opilio pentaspinulatus **sp. nov.** ♂ . ♀ Kumamoto Pref. and Fuknoka Pref., Japan p. 45 fig., SUZUKI J. Sci. Hiroshima Univ. Zool. **11** 1950.

Pachylusius **gen. nov.** [Gonyleptidae, Pachylinae] defined p. 21 ; type species *P. incus* **sp. nov.** ♂ Itatiaia, Brazil p. 21, MELLO-LEITÃO Bol. Mus. Nac. Rio Zool. No. 94 1949.

Parapurcellia **gen. nov.** [Sironidae] defined p. 137 ; type species *Purcellia fissa* Lawrence p. 137 ; added to genus *Purcellia monticola* Lawrence, *Purcellia rumpiana* Lawrence, *Purcellia silvicola* Lawrence p.. 137 ROSAS COSTA Arthropoda, Buenos Aires **1** 1950.

Parkocranaus **gen. nov.** [Gonyleptidae, Cranainae] defined p. 24 ; type species *P. bimaculatus* **sp. nov.** ♀ Rio Itecuay, Amazonas, Brazil p. 24 fig., MELLO-LEITÃO Bol. Mus. Nac. Rio Zool. No. 94 1949.

Procoryphus **gen. nov.** [Assamiidae, Erecinae] defined p. 47 ; type species *P. multispinatus* **sp. nov.** ♂ . ♀ Faradje, Belgian Congo p. 47 fig., ROEWER Rev. Zool. Bot. afr. **44** 1950.

Propachylus longispinus **sp. nov.** ♂ . ♀ Itatiaia, Brazil p. 19 fig., MELLO-LEITÃO Bol. Mus. Nac. Rio Zool. No. 94 1949.

Prosclerosoma remyi **sp. nov.** ♀ Furiani, S. Agata, Corsica p. 678 figs., DRESCO Bull. Mus. Hist. nat. Paris (2) **21** 1949 [1950].

Quixabella **gen. nov.** [Gonyleptidae, Gonyleptinae] defined p. 27 ; type species *Q. ornata* **sp. nov.** ♂ Santa Teresa, Espirito Santo, Brazil p. 27 fig., MELLO-LEITÃO Bol. Mus. Nac. Rio Zool. No. 94 1949.

Scotolemon terricola p. 676 fig., DRESCO **179.**

Segadasius **gen. nov.** [Gonyleptidae, Bourguyinae] defined p. 23 ; type species *S. monticola* **sp. nov.** ♂ Pedro-Açu, Teresopolis, Brazil p. 23, MELLO-LEITÃO Boll. Mus. Nac. Rio Zool. No. 94 1949.

Sesostranus longipes **sp. nov.** ♂ Kiwu (Region of Matale), Belgian Congo p. 38 fig., ROEWER Rev. Zool. Bot. afr. **44** 1950.

Sokkupia **gen. nov.** [Gonyleptidae, Pachylinae] defined p. 17 ; type species *S. olivacea* **sp. nov.** ♂ Arredores de Lima, Peru, p. 17, MELLO-LEITÃO Bol. Mus. Nac. Rio Zool. No. 94 1949.

Stephanocranion bufoninus **sp. nov.** ♀ Pedra-Açu, Teresopolis, Brazil p. 26, MELLO-LEITÃO Bol. Mus. Nac. Rio Zool. No. 94 1949.

Termitereca singularis note p. 39 fig., ROEWER **497**.

Trogulocratus tunetanus **sp. nov.** ♀ Sfax, Tunis p. 55 figs., ROEWER Senckenbergiana, Frankfurt **31** 1950.

Xanthostygnus **gen. nov.** [Stygnidae] defined p. 32 ; type species *X. fractus* **sp. nov.** ♂ Rio Itapecuhy, Amazonas, Brazil p. 32, MELLO-LEITÃO Bol. Mus. Nac. Rio Zool. No. 94 1949.

ARANEAE

Key to families on eye anatomy p. 140, HOMANN **287**.

Faunal list.—Isles of Isola, Elba & Capraia, Italy, CAPORIACCO **95** ; Alaska WEBER **626**.

CONOPISTHINAE key to genera p. 109, EXLINE **201**.

†EPHALMATORIDAE **fam. nov.** defined p. 300 for *Ephalmator* Petrunkevitch 1950, PETRUNKEVITCH Bull. Mus. comp. Zoöl. Harvard **103** 1950.

ERIGONIDAE, additions and rectifications to key of females, DENIS **160** ; List of species, Camarque, France DENIS **165**.

LINYPHIIDAE List of species, Camarque, France DENIS **165**.

SALTICIDAE Jamaica, BRYANT **83**.

THOMISIDAE †Key to Baltic Amber genera p. 317, PETRUNKEVITCH **460** ; Keys, descriptions and figures to Finnish species of Xysticidae and Philodromidae PALMGREN **443**.

†*Abliguritor plumosus* **sp. nov.** ♀ Baltic Amber p. 325 figs., PETRUNKEVITCH Bull. Mus. comp. Zoöl. Harvard **103** 1950.

Acanthepeira venusta ♂ allotype Royal Palm Park, Florida ; ♀ redescribed p. 175 figs., BRYANT **84**.

Acantholycosa rupicola note p. 106 figs. ; *A. spinosa* notes p. 104 figs., DENIS **161**.

† *Adulatrix fusca* note p. 310 fig. PETRUNKEVITCH **460**.

Agelena zorica note p. 499 fig., DENIS **164**.

Agelenopsis balboae **sp. nov.** ♀ Balboa Park, California p. 82 fig. ; *A. californica* ♀ redescribed p. 84 fig. ; *A. gertschi* **sp. nov.** ♀ Grizzly Peak, Berkeley, California p. 79 fig. ; *A. utahana* ♀ redescribed p. 81 fig., SCHENKEL Verh. naturf. Ges. Basel **61** 1950.

Allodecta **gen. nov.** [Salticidae] defined p. 166 ; type species *A. maxillaris* **sp. nov.** ♂ Blue Mountains, Main Range, Jamaica p. 167 figs., BRYANT Bull. Mus. comp. Zoöl. Harvard **103** 1950.

Anasaitis **gen. nov.** [Salticidae] defined p. 168 ; type species *Prostheclina morgani* Peckham ; *A. decoris* **sp. nov.** ♂ . ♀ Blue Mountains, Main Range, Jamaica p. 169 figs. ; *A. morgani* ♂ . ♀ redescribed p. 171 figs. ; *A. scintilla* **sp. nov.** ♂ Blue Mountains, Main Range, Jamaica p. 173 fig. ; *A. venatoria* ♂ redescribed p. 174 fig., BRYANT Bull. Mus. comp. Zoöl. Harvard **103** 1950.

Araneus cannorus **sp. nov.** ♀ Canmore, Banff National Park, Canada p. 65 fig. ; *A. diegenis* **sp. nov.** ♀ Missionsbay, San Diego, California p. 67 fig., SCHENKEL Verh. naturf. Ges. Basel **61** 1950 ; *A. zimmermanni* new to Sweden p. 93 figs., JOHANSSON **310**.

†*Archaea hyperoptica* redescribed p. 265 figs., PETRUNKEVITCH **460**.

Argenna prominula ♂ described Finnish Lapland p. 165 figs., HACKMAN **255**.

Argennina hansii **sp. nov.** ♂ Berkeley Hills, California p. 35 fig., SCHENKEL Verh. naturf. Ges. Basel **61** 1950.

Ariadna crassipalpus ♀ allotype described p. 445 fig., CAMARGO **91**.

†*Auximus fossilis* **sp. nov.** ♀ Baltic Amber p. 272 figs., PETRUNKEVITCH Bull. Mus. comp. Zoöl. Harvard **103** 1950.

Brachycentrum clypeatum **sp. nov.** ♀ Camarque, France p. 64 figs., DENIS Rev. franç. Entom. Paris **17** 1950.

Brachythele anomala **sp. nov.** ♀ Guerneville and Monterio, Russian River, California p. 32 fig., SCHENKEL Verh. naturf. Ges. Basel **61** 1950.

†*Caduceator quadrimaculatus* **sp. nov.** Baltic Amber p. 307 figs., PETRUNKEVITCH Bull. Mus. comp. Zoöl. Harvard **103** 1950.

Caribattus **gen. nov.** [Salticidae] defined p. 177 ; type species *Saitis inutilis* Peckham ♂ redescribed p. 178, BRYANT Bull. Mus. comp. Zoöl. Harvard **103** 1950.

Castaneira varia ♂ palp and dentition described p. 462 fig., CAMARGO **91**.

Centromeroides **gen. nov.** [Linyphiidae] defined p. 59 ; type species *C. modestus* **sp. nov.** ♀ Guerneville, Russian River, California p. 59 fig., SCHENKEL Verh. naturf. Ges. Basel **61** 1950.

Centromerus obscurus notes p. 212 figs., JONG **317**.

Chaetopelma shabati **sp. nov.** ♂ . ♀ Egypt p. 163 figs. ; *C. aegyptiaca* redescribed p. 168, HASSAN Bull. Soc. Fouad 1er Ent. Cairo **34** 1950.

Clubiona abbajensis kibonotensis notes p. 497 fig., DENIS **164**.

Compsodecta defloccata ♀ redescribed p. 180 fig. ; *C. grisea* ♂ . ♀ redescribed p. 181 figs., BRYANT **83**.

Corinna capito ♂ . ♀ redescribed p. 456 fig., CAMARGO **91**.

Cornicularia dulciacensis **sp. nov.** ♀ Douchy, Nord, France p. 256 figs., DENIS Bull. Soc. Hist. nat. Toulouse **84** 1950.

Coryphaeolana despaxi **sp. nov.** ♂ . ♀ Tourbière d'Aumar, Orédon, France p. 90 figs., DENIS Bull. Soc. Hist. nat. Toulouse **85** 1950.

Cybaeus adenoides **sp. nov.** ♀ Berkeley Hills, California p. 88 fig. ; *C. grizzlyi* **sp. nov.** ♂ Grizzly-Peak, Berkeley, California p. 86 fig., SCHENKEL Verh. naturf. Ges. Basel **61** 1950.

Dictyna alyceae **sp. nov.** ♂ . ♀ Boquete, R.P., Panama p. 85 figs. ; *D. donaldi* **sp. nov.** ♂ . ♀ Boquete, R.P., Panama p. 90 figs., CHICKERING Pap. Mich. Acad. Sci. **34** 1950 ; *D. montana* notes, p. 500 figs., DENIS **164**.

Didectoprocnemis **gen. nov.** [Erigonidae] type species *Evansia cirtensis* (Simon) p. 248, DENIS Bull. Soc. Hist. nat. Toulouse **84** 1950.

Diphya simoni **sp. nov.** ♀ Pretorius Kop Camp, Krüger Nat. Park, South Africa p. 71 fig., KAURI K. fysiogr. Sällsk. Lund Förh. **20** 1950.

Diplocephalus list of British species p. 423, HULL **292**.

Dipoena latifrons **sp. nov.** ♂ Mutzig, Bas-Rhin, Alsace p. 141 figs. ; *D. erythropus* ♀ described p. 141 figs., DENIS Bull. Soc. ent. Fr. **55** 1950 ; *D. procax* notes p. 63, CASEMIR **96**.

Drassodes fugax ♀ notes p. 78 figs., DENIS **161**.

Drassyllus monteriensis **sp. nov.** ♂ . ♀ Monterio, Russian River, California p. 38 fig., SCHENKEL Verh. naturf. Ges. Basel **61** 1950.

Dresconella nivicola ♂ redescribed, ♀ described p. 92 figs., DENIS **161**.

†*Elucus infelix* **sp. nov.** ♂ Baltic Amber p. 298 figs. ; *E. inermis* note p. 299 fig., PETRUNKEVITCH Bull. Mus. comp. Zoöl. Harvard **103** 1950.

Enoplognatha rugosa Emerton ? (non Gertsch) ♀ redescribed p. 52 fig., SCHENKEL **519**.

†*Eocryphoeca distincta* **sp. nov.** ♀ Baltic Amber p. 277 figs. ; *E.* key to species p. 276, PETRUNKEVITCH Bull. Mus. comp. Zoöl. Harvard **103** 1950.

†*Eolathys* **gen. nov.** [Dictynidae] defined p. 268 ; type species *E. succini* **sp. nov.** Baltic Amber p. 269 figs. ; *E. debilis* **sp. nov.** Baltic Amber p. 270 figs., PETRUNKEVITCH Bull. Mus. comp. Zoöl. Harvard **103** 1950.

†*Eolinus theryi* note p. 328 figs., PETRUNKEVITCH **460**.

†*Eostaianus* **gen. nov.** [Eusparassidae] defined p. 314 ; type species *E. succini* **sp. nov.** ♀ Baltic Amber p. 314 figs., PETRUNKEVITCH Bull. Mus. comp. Zoöl. Harvard **103** 1950.

†*Eothanatus* **gen. nov.** [Thomisidae, Philodrominae] defined p. 323 ; type species *E. diritatis* **sp. nov.** ♂ Baltic Amber p. 323 figs., PETRUNKEVITCH Bull. Mus. comp. Zoöl. Harvard **103** 1950.

†*Ephalmator* **gen. nov.** [Ephalmatoridae] defined p. 301 ; type species *E. fossilis* **sp. nov.** ♂ Baltic Amber p. 302 figs., PETRUNKEVITCH Bull. Mus. comp. Zoöl. Harvard **103** 1950.

†*Eustaloides calceatus* **sp. nov.** ♂ Baltic Amber p. 293 figs. ; *E. minor* **sp. nov.** ♀ Baltic Amber p. 294 figs. ; *E. setosus* ♂ redescribed p. 289 figs. ; *E. succini* ♂ redescribed p. 290 figs., PETRUNKEVITCH Bull. Mus. comp. Zoöl. Harvard **103** 1950.

Erigone crosbyi **sp. nov.** ♂ . ♀ Guerneville, Russian River, California p. 54 fig. *E. reducta* **sp. nov.** ♂ Crater Lake, Oregon p. 58 fig. ; *E. zographica* ♀ redescribed p. 56 fig., SCHENKEL Verh.

naturf. Ges. Basel **61** 1950; *E. vagans* note p. 96 fig.; *E. vagans spinosa* p. 96 fig., DENIS **161**.

Erigonopterna dilata **sp. nov.** ♀ Ordino, Tristanys, Andorra p. 255 figs. see Proc. Zool. Soc. London **107**B 1937 [1938] p. 570, DENIS Bull. Soc. Hist. nat. Toulouse **84** 1950.

Eusparassus hansii **sp. nov.** ♀ Monterio, Russian River, California p. 70 fig., SCHENKEL Verh. naturf. Ges. Basel **61** 1950.

†*Fiducia* **gen. nov.** [Thomisidae, Stephanopsinae] defined p. 320; type species *F. tenuipes* **sp. nov.** ♀ Baltic Amber p. 320 figs., PETRUNKEVITCH Bull. Mus. comp. Zoöl. Harvard **103** 1950.

†*Flegia longimana* ♂ characters p. 286 fig., PETRUNKEVITCH **460**.

Gamasomorpha banksi **sp. nov.** ♂ . ♀ Reevesby Id., South Australia p. 13 figs.; *G. clarki* **sp. nov.** ♂ Reevesby Id., South Australia p. 15 figs., HICKMAN Proc. roy. Soc. Vict. N.S. **60** 1950.

Gayenna jollensis **sp. nov.** ♀ La Jolla, Country Club Heights, California p. 77 fig., SCHENKEL Verh. naturf. Ges. Basel **61** 1950.

†*Gorgopis frenata* characters p. 327 fig. PETRUNKEVITCH **460**.

Hahnia rouleti maxima **var. nov.** ♂ Mount Baker, Ruwenzori, Uganda p. 500, DENIS Proc. zool. Soc. London **120** 1950.

†*Harpactes extinctus* **sp. nov.** ♀ Baltic Amber p. 334 fig., PETRUNKEVITCH Bull. Mus. comp. Zoöl. Harvard **103** 1950.

Hersilia hanströmi **sp. nov.** ♀ Pertorius Kop Camp. Krüger Nat. Park. South Africa p. 68 figs., KAURI K. fysiogr. Sällsk. Lund Förh. **20** 1950.

Hybocoptus dubuis **sp. nov.** ♀ Camarque, France p. 69 figs., DENIS Rev. franç. Entom. Paris **17** 1950.

Lampona asperrima **sp. nov.** ♂ Reevesby Id., South Australia p. 11 figs., HICKMAN Proc. roy. Soc. Vict. N.S. **60** 1950.

Larinia vara **sp. nov.** ♂ Town Bush, Pietermaritzburg, Natal p. 72 fig., KAURI K. fysiogr. Sällsk. Lund Förh. **20** 1950.

Lathys alberta ♀ redescribed p. 34 fig., SCHENKEL **519**.

Latrodectus geometricus new record, Luzon, effect of venom and control p. 901 figs., KEEGAN *et al* **326**.

Leptyphantes chamberlini **sp. nov.** ♀ Banff National Park, Canada p. 61 fig., SCHENKEL Verh. naturf. Ges. Basel **61** 1950; *L. oredonensis* **sp. nov.** ♀ Aumar, Orégon, France p. 102 figs.; *L. homonymus* note p. 102 fig.; *L. margaritae* notes p. 102 figs., DENIS Bull. Soc. Hist. nat. Toulouse **85** 1950; *L. salti* **sp. nov.** ♀ Hochnel Valleys, Ridge Teleki, Kenya p. 498 fig., DENIS Proc. zool. Soc. London **120** 1950; *L. salfii* **sp. nov.** ♀ Grotta San Michele Arcangelo, Olevano sul Tusciano, Italy p. 4 figs., DRESCO Boll. Soc. Nat. Napoli **58** Suppl. 11 1950; *L. alacris* notes p. 213 fig., *L. concinnus* notes p. 213 fig., JONG **317**.

†*Linyphia oblonga* ♂ redescribed p. 287 figs., PETRUNKEVITCH **460**.

Lycosa angusta ♂ lectotype, Orlando, Orange County, Florida p. 71 fig.; *L. hentzi* note p. 77 fig.; *L. riparia* notes p. 75 fig., WALLACE **622**.

Maeotella **gen. nov.** [Salticidae] defined p. 186; type species *Protheclina perplexa* ♂ . ♀ redescribed p. 187., BRYANT Bull. Mus. comp. Zoöl. Harvard **103** 1950.

Magulla symmetrica ♂ described p. 1 fig., BÜCHERL **85**.

Maso gallicus notes p. 66; *M. sundevalli* notes p. 67, CASEMIR **96**.

Mecopisthes pictonicus **sp. nov.** ♀ Longeville-sur-mer, Vendée, France p. 254 figs.; *M. crassirostris* p. 255 fig.; *M. silus* p. 254 fig., DENIS Bull. Soc. Hist. nat. Toulouse **84** 1950.

Meioneta impavida **sp. nov.** ♀ Kilnsea Warren, Holderness, Yorkshire p. 422 fig. HULL, Ann. Mag. nat. Hist. (12) **3** 1950; *M.* (?) *obscura* **sp. nov.** ♂ Mount Speke, Ruwenzori, Uganda p. 498 figs., DENIS Proc. zool. Soc. London **120** 1950.

Micaria vandeli **sp. nov.** ♀ . ♂ Prade de Camou, Orédon, France p. 83 figs. DENIS Bull. Soc. Hist. nat. Toulouse **85** 1950.

Micrargus dissimilis **sp. nov.** ♀ Camarque, France p. 73 figs.; DENIS Rev. franç. Entom. Paris **17** 1950; *M. herbigrada* p. 89 fig.; *M. laudatus* notes p. 89 fig.; *M. subaequalis* p. 90 fig., DENIS **161**.

Micrathena Sundevall, 1833 question of priority p. 243; *M. bergi* ♀ redescribed p. 244 figs., CAMARGO **92**; *M. henseli* ♂ allotype described p. 450 figs., CAMARGO **91**.

Monocephalus polliculatus **nom. nov.** for British species hitherto recorded as *M. castaneipes* Sim. p. 422, HULL **292**.

†*Myro hirsutus* ♂ redescribed p. 279 figs., PETRUNKEVITCH **460**.

†*Nactodipoena infulata* ♂ redescribed p. 284 figs., PETRUNKEVITCH **460**.

Nemesia ilvae **sp. nov.** ♀ Portoferraio, Italy p. 10, CAPORIACCO Monit. Zool. ital. **58** 1950.

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†*Paruroctea blauvelti* ♀ described p. 263 figs., PETRUNKEVITCH **460**.

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†*Segestria plicata* **sp. nov.** ♀ Baltic Amber p. 330 figs.; *S. elongata* redescribed p. 329 figs.; *S.* key to Baltic Amber species p. 329, PETRUNKEVITCH Bull. Mus. comp. Zoöl. Harvard **103** 1950.

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Tegenaria agrestis new record for Great Britain p. 424; note on egg cocoon p. 427, HULL **292.**

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Theridion bishopi **sp. nov.** ♀ Berkeley, California p. 47 fig.; *T. hansii* **sp. nov.** ♂ Russian River, California p. 46 fig., *T. pseudofrondeum* **sp. nov.** ? Monterio, Russian River, California p. 50 fig.; *T. wallacei* **sp. nov.** ♀ Guerneville, Russian River, California p. 49 fig., SCHENKEL Verh. naturf. Ges. Basel **61** 1950; *T. tepidariorum simulans* measurements p. 62, CASEMIR **96.**

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Tibellus key to Finnish species with descriptions and figures p. 37, PALMGREN **443**.

Tmarus key to the species of Panama p. 214 ; *T. aculeatus* **sp. nov.** ♂ Canal Zone, Panama p. 217 fig. ; *T. bucculentus* **sp. nov.** ♀ Ft. Randolph, Canal Zone, Panama p. 220 fig. ; *T. cognatus* **sp. nov.** ♀ Canal Zone, Panama p. 222 fig., *T. contortus* **sp. nov.** ♂ . ♀ Madden Dam, Canal Zone, Panama p. 224 figs. ; *T. curvus* **sp. nov.** ♂ . ♀ Canal Zone, Panama p. 228 figs. ; *T. morosus* **sp. nov.** ♂ . ♀ Canal Zone, Panama p. 235 figs. ; *T. parki* **sp. nov.** ♂ Canal Zone, Panama p. 242 fig. ; *T. peregrinus* **sp. nov.** ♂ Canal Zone, Panama p. 245 figs. ; *T. probus* **sp. nov.** ♂ Madden Dam, Canal Zone, Panama p. 247 figs.; *T. productus* **sp. nov.** ♂ Porto Bello, Panama p. 249 figs. ; *T. sigillatus* **sp. nov.** ♂ Canal Zone, Panama p. 252 figs. ; *T. corruptus* note p. 228 fig. ; *T. decens* note p. 231 fig. ; *T. ineptus* allotype ♂ Canal Zone,Panama p. 232 figs. ; *T. intentus* note p. 234 fig. ; *T. mundulus* allotype ♂ Canal Zone, Panama p. 239 figs. ; *T. studiosus* note p. 254 figs., CHICKERING Bull. Mus. comp. Zoöl. Harvard **103** 1950.

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ACARI

Faunal list :—Rome, STARKOFF & STARKOFF **558** ; Parma, Italy, BOTTAZZI **69** ; Fauna littoral zone, Banyuls-sur-Mer, France p. 183, ANGELIER **24** ; Alaska, WEBER **626**.

Faunal list. :—**Ixod.** :—With key, Glamorgan, S. Wales, ARTHUR **28** ; Italy CAVACEPPI **104** ; Balearic Is., COLEADO **132** ; Angola, Ixod., DIAS **168, 173** ; Nyasaland with hosts, WILSON **635** ; Philippine Is., KOHLS **339** ; Indonesia with keys to genera and species, ANASTOS **9** ; Alberta, Canada, BROWN & KOHLS **79** ; Wisconsin with host list, KNIPPING *et al.* **332**.

Faunal list.—**Hydrach.**—Massif—de Neouvielle, France, ANGELIER **20** ; Maingebietes, Germany, VIETS **612** ; Distribution of Halacaridae in the Antarctic with list of known species, VIETS **613**.

Systematic check list of mite genera and type species, RADFORD **478**.

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CUNAXIDAE key to genera, revision p. 229, BAKER & HOFFMAN **37**.

HETEROCHEYLINAE **subfam. nov.** in fam. Pseudocheyletidae p. 109, TRÄGÅRDH Ent. Tidskr. Stockh. **71** 1950.

LAELAPTIDAE remarks with key to Hypoaspidinae p. 298, ZUMPT **645**.

LOHMANNIIDAE general characters p. 100; key to genera p. 119, GRANDJEAN **241**.

MICROEREUNETIDAE **nom. nov.** pro Ereynetidae Oudemans 1931 p. 38, BOTTAZZI Monit. Zool. ital. **58** 1950.

ORIBATIDAE of South Sweden, DALENIUS **152**; Formulas of chaetotaxy GRANDJEAN **246**.

PARATYDEIDAE key to genera p. 289, BAKER **36**.

PHYTOPTIPALPINAE **subfam. nov.** [Tenuipalpidae] p. 1016, SAYED Proc. 8th int. Congr. Ent. Stockh. **1948** 1950.

PONTOPPIDANIIDAE taxonomic position discussed p. 214, reduced to subfam. of Acaridae p. 215 NESBITT **422**.

PSEUDOCHEYLETIDAE key to subfamilies p. 109 TRÄGÅRDH **589**.

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TETRANYCHIDAE Classification with key to genera and species p. 257, MCGREGOR **372**; taxonomy p. 1012, SAYED **513**.

TROMBICULIDAE respiratory organs p. 194, WHARTON **628**.

Acarapis woodi redescribed p. 611 figs., GÓMEZ **233**.

Aceria essigi redescribed, distribution, hosts, life cycle etc. p. 42 figs., HAMILTON **261**.

Aegyptobia **gen. nov.** [Tenuipalpidae] defined p. 1018; type species *A. trägårdhi* **sp. nov.** ♀ on *Thuya orientalis* [Plant], Dokki, Giza, Egypt, p. 1018 figs., SAYED Proc. 8th int. Congr. Ent. Stockh. **1948** 1950.

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Annectacarus **gen. nov.** [Lohmanniidae] type species *A. mucronatus* **sp. nov.** Guayra, Venezuela and Colon, Panama p. 131 figs., GRANDJEAN Arch. Zool. exp. gén. Paris **87** 1950.

Anocentor columbianus on *Bufo peltocephalus* Cuba p. 134 SCHULZE **532**.

Aponomma barbouri **sp. nov.** ♂ off *Python reticulatus*, Buitenzorg, Java p. 121 figs.; *A. komodoense* redescribed p. 122 figs.; *A. lucasi* redescribed p. 124

figs.; *A. trimaculatum* redescribed p. 129 figs., ANASTOS Ent. Amer. Brooklyn **30** 1950; *A. thumbi* **sp. nov.** ♀ on *Bufo peltocephalus*, Cuba p. 136 figs., SCHULZE Z. Parasitenk. **12** 1941; *A. halli* **sp. nov.** ♂. ♀ on *Varanus niloticus* and *V. exanthematicus*, Portuguese Guinea p. 135 figs., TENDEIRO An. Inst. Med. trop. Lisboa **7** 1950; *A. exornatum* notes p. 165 figs., DIAS **168**.

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Arrenurus ignotus **sp. nov.** Morondova, Madagascar p. 1023 figs.; *A. ornatulus* **sp. nov.** ♂ Schlutup, Lübeck, Germany p. 1021 figs.; *A. arcanus* redescribed p. 1024 figs.; *A. pronominatus* redescribed p. 1025 figs., VIETS Neue Ergebn. Prob. Zool. Leipzig **1950**; *A. papillator* new to France p. 60, SCHACHTER **516**.

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Bdellonyssus bacoti records for England p. 124; world distribution p. 128, BROWNING **80**; *B. bacoti*, early record and synonym p. 24, EWING **199**; *B. bacoti* mouth parts and feeding mechanism p. 301 figs., GORIROSSI **235**; *B. bacoti* note on larva, life cycle and tropisms p. 178 figs., OVAZZA **442**.

Bonzia rufofusca **sp. nov.** Längenfeld, Ötztaler Alpen, Austria p. 189 figs., WILLMANN Zool. Anz. **145** 1950; *B.* key to species p. 253; *B. halacaroides* p. 253 figs.; *B. sphagnicola* p. 253 figs., BAKER & HOFFMANN **37**.

Boophilus (*P.*) *decoloratus* redescribed p. 225 figs., DIAS **174**; *B. microplus* redescribed p. 71 figs., ANASTOS **9**.

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Camisia lapponica, *C. spinifer* new to Finland p. 201, KARPPINEN **320**; *C. segnis* observations on eggs and life history p. 224 figs., GRANDJEAN **244**.

Campylothrombium franzi **sp. nov.** Marzer Kogel, Austria p. 1105 figs., WILLMANN Neue Ergebn. Prob. Zool. Leipzig 1950.

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Comatacarus gen. redescribed p. 291 ; *C. americanus* remarks p. 292 fig., EWING **198**.

Compressalges **gen. nov.** [Proctophyllodidae] type species *C. nipponiae* **sp. nov.** on *Nipponia nipponia* [Aves], Khanka Lake, Russia p. 537 figs., DUBININ C.R. Acad. Sci. Moscow N.S. **70** 1950.

Copidognathus (*Copidognathus*) *aequalivestitus* **sp. nov.** ♂ Berkeley Sound, Falkland Is. p. 14 fig. ; *C.* (*Copidognathopsis*) *acanthophorus* **sp. nov.** ♀ Kochtopfbucht, South Georgia p. 19 fig. ; *C.* (*C.*) *marc-andréi* **sp. nov.** ♀ Kochtopfbucht, South Georgia p. 21 fig., VIETS Further zool. Res. Swed. Antarct. Exp. **4** 1950 ; *C. kagamili* **sp. nov.** ♀ . ♂ Kagamil Pass, Islands of the Four Mountains, Aleutian Islands, Alaska p. 2 figs. ; *C. parapunctatus* **sp. nov.** ♀ Attu Island, Alaska p. 12 fig. ; *C. punctatus* **sp. nov.** ♀ . ♂ Rocky Point, Kuluk Bay, Adak Island, Alaska p. 10 figs. ; *C. thomasi* **sp. nov.** ♀ . ♂ Rocky Point, Kuluk Bay, Adak Island, Alaska p. 7 figs., NEWELL Amer. Mus. Novit. No. 1476 1950.

Corerythrolophus **nom. nov.** pro *Eurythrolophus* Berlese 1920 preocc p. 145, RADFORD Union Int. Sci. Biol. Paris Sec. C. No. 1 1950.

Cosmochthonius plumatus redescribed p. 78 figs., GRANDJEAN **243**.

Cryptacarus **gen. nov.** [Lohmanniidae] type species *C. promecus* **sp. nov.** Bône, Algeria p. 138 fig., GRANDJEAN Arch. Zool. exp. gén. Paris **87** 1950.

Crotiscus gen. redescribed p. 295 ; *C. desdentata* remarks p. 295 fig., EWING **198**.

Cultroribula dentata **sp. nov.** Lubieu Wielki, Austria p. 192 figs., WILLMANN Zool. Anz. **145** 1950.

Cunaxa key to spp. p. 230 ; *C. boneti* **sp. nov.** ♀ Boca del Rio, Vera Cruz, Mexico : ♂ Nevado de Colima, Jalisco, Mexico p. 237 fig. ; *C. mexicana* **sp. nov.** ♀ Laguna de Alcuzahua, Tecoman, Colima, Mexico : ♂ Potrero Grande, Colima, Mexico p. 238 figs. ; *C. snowi* **sp. nov.** ♀ Acer, Scott Field, Illinois p. 241 figs. ; *C. veracruzana* **sp. nov.** ♀ . ♂ Atoyac, Vera Cruz, Mexico p. 235 figs. ; *C. womersleyi* **sp. nov.** ♀ Saipan p. 234 figs. ; *C. eupaloides* **nom. comb.** for *Dactyloscirus eupaloides* (Berlese 1916) p. 236 figs. ; *C. brevicornis* note p. 239 fig. ; *C. capreolus* redescribed p. 231 figs. ; *C. curtipalpis* notes p. 233 fig. ; *C. inermis* redescribed p. 235 figs. ; *C. parvirostris* notes p. 239 fig. ; *C. setirostris* redescribed p. 237 figs. ; *C. simplex* redescribed p. 240 figs. ; *C. taurus* redescribed p. 232 figs. ; *C. taurus* var. *bison* notes p. 233 figs., BAKER & HOFFMANN An. Escuela nac. Cienc. Biol. Mexico **5** 1948.

Cunaxoides **nom. nov.** pro *Eupalus* Koch 1838, preocc p. 241 ; type species *Eupalus croceus* Koch 1838 p. 241 : 244 figs. ; *C. americanus* **sp. nov.** ♀ Nicholson, Mississippi p. 249 figs. ; *C. andrei* **sp. nov.** ♀ Lafayette, Indiana : ♂ Falls Church, Virginia p. 249 figs. ; *C. minutus* **sp. nov.** ♀ Upson County, Georgia p. 249 figs. ; *C. patzcuarensis* **sp. nov.** ♀ Patzcuaro, Michoacan, Mexico p. 248 figs. ; *C. whartoni* **sp. nov.** ♀ Duke Forest Durham, North Carolina p. 250 figs. *C. brevirostris* **comb. nov.** for *Eupalus brevirostris* Canestrini 1885 p. 247 figs. ; *C. biscutum* **comb. nov.** redescribed p. 243 figs. ; *C. coecus* **comb. nov.** for *Eupalus coecus* Oudemans 1931 p. 251 ; *C. croceus* **comb. nov.** for *Eupalus croceus* Koch 1838 p. 244 figs. ; *C. croceus* var. *minima* **comb. nov.** pro *Eupalus croceus* var. *minima* Trägärdh 1910 p. 244 fig. ; *C. echinatus* **comb. nov.** for *Eupalus echinatus* Banks 1894 p. 242 ; *C. minutissimus* **comb. nov.** for *Eupalus minutissimus* Koch 1838 p. 251 ; *C. parvus* **comb. nov.** for *Eupalus parvus* Ewing 1917 p. 243 figs. ; *C. pectinatus* **comb. nov.** for *Eupalus pectinatus* Ewing 1909 p. 246 fig. ; *C. sternalis* **comb. nov.**

for *Eupalus sternalis* Berlese 1916 p. 245; *C. subterraneus* **comb. nov.** for *Eupalus subterraneus* Berlese 1916 p. 245; *C. vitellinus* **comb. nov.** for *Eupalus vitellinus* Koch 1841 p. 251, BAKER & HOFFMANN An. Escuela nac. Cienc. Biol. Mexico **5** 1948.

Cyclothrix acadienses **sp. nov.** ♀ Blue Bell, Victoria County, New Brunswick p. 114 figs., HABEEB Nat. Canad. Quebec **77** 1950.

Cyta coeruleipes note p. 35 figs., BOTTAZZI **69**.

Dactyloscirus synonym of *Cunaxa* p. 230, BAKER & HOFFMANN **37**.

Dermacentor auratus redescribed p. 51 figs., ANASTOS **9**; *D. marginatus, D. nuttalli, D. pictus* comparative morphology of larvae p. 327 figs., REZNIK **490**.

Dermatophagoides saitoi ♂ redescribed p. 520 figs.; *D. takeuchii* note p. 522; *D.* review of genus, key to species p. 523 SASA **510**.

Dinothrombium (*Dolichothrombium*) *longulum* **sp. nov.** ♀ Moosbrunn, Wien, Austria p. 1102 figs., WILLMANN Neue Ergebn. Prob. Zool. Leipzig 1950.

Diphtheroglyphus **gen. nov.** [Acaridae] defined p. 211; type species *D. maculata* **sp. nov.** ♂. ♀ on salted steer hides, Buenos Aires, Argentina p. 211 figs., NESBITT Canad. Ent. **82** 1950.

Dynatochela **gen. nov.** [Laelaptidae, Iphiopsinae] defined p. 511; type species *D. primus* **sp. nov.** ♀ ex beetle, *Phyllophaga* sp., Omaha, Nebraska p. 511 figs., KEEGAN J. Parasit. **36** 1950.

Echinolaelaps echidninus **subsp.** *vitzthumi* **subsp. nov.** on *Rattus rattus kandyianus*, Mousekande, Ceylon p. 71 fig.; *E. echidninus* comparison of description p. 69 fig.; *E. hirsti* **nom. nov.** pro *Laelaps echidninus* Hirst 1913 non Berlese 1887, p. 72 fig.; *E. hirsti* subsp. *ceylonicus* **subsp. nov.** on *Rattus rattus kandyianus*, Gammaduwa, Ceylon p. 72 figs., TURK Parasitology, Cambridge **40** 1950.

Enemothrombium Berlese 1912, notes p. 453, ANDRÉ **15**; *E.* (?) *discrepans* **sp. nov.** Pfarrergraben, Purbach, Austria p. 1109 fig., WILLMANN Neue Ergebn. Prob. Zool. Leipzig 1950.

Eubrachylaelaps key to ♀ ♀ of American species p. 62; *E. debilis* **sp. nov.** ♀ on deer mouse, (*Peromyscus maniculatus*), Quincy, Plumas County, California p. 64 fig., JAMESON J. Parasit. **36** 1950.

Euplatylophus **nom. nov.** pro *Platylophus* Berlese 1910 preocc. p. 146, RADFORD Union Int. Sci. Biol. Paris Sec. C. No. 1 1950.

Euryparazetes **nom. nov.** pro *Parazetes* Willmann 1930 preocc. p. 203, RADFORD Union Int. Sci. Biol. Paris Sec. C. No. 1 1950.

Eutetranychus key to ♀ ♀ p. 267; *E. mexicanus* **sp. nov.** ♀ on *Sapota* leaves, Guadalajara, Mexico (intercepted at Nogales, Arizona p. 271 figs.; *E. clarki* **comb. nov.** pro *Anychus clarki* McGregor 1935 p. 270; *E. rusti* **comb. nov.** pro *Anychus rusti* (McGregor 1917) p. 269; *E. spinosa* **comb. nov.** pro *Tetranychopsis spinosa* Banks 1909 p. 268 figs., MCGREGOR Amer. Midl. Nat. **44** 1950.

Eutrombicula (*Microtrombicula* **subgen. nov.**) type species *Microthrombidium minutissimum* Oudemans 1910, p. 297 fig.; *E.* key to subgenera p. 297, EWING Proc. ent. Soc. Washington **52** 1950.

Eylais degenerata characteristics and variation p. 258 fig., VIETS **616**; *E. infundibulifera relicta* redescribed p. 1016 figs., VIETS **615**; *E. setosa* characters and variability, discussion of description and synonymy p. 301 figs., VIETS, K. O. **617**.

Feltria bispinosa **sp. nov.** ♂. ♀ Ruisseau d'Estarrangne, Orédon, Massif de Néouvielle, France p. 354 figs., ANGELIER Bull. Mus. Hist. nat. Paris (2) **22** 1950; *F. denticulata* **sp. nov.** ♂. ♀ Ruisseau du Grave, Pyrénées Orientales p. 238 figs., ANGELIER Mém. nat. Hist. Paris N.S. **29** 1949 [1950].

Fonsecaonyssus **nom. nov.** pro *Leiognathus* Canestrini 1885 preocc. p. 35, RADFORD Union Int. Sci. Biol. Paris Sec. C. No. 1 1950.

Forelia ligulifera spatulifera redescribed p. 157 figs.; *F. ligulifera ligulifera* p. 159 fig., VIETS **614**.

Freyanella tarandus notes p. 454 fig., DUBININ **183**.

Frontipoda musculus breviscutata **var. nov.** Vindplaats, Holland p. 186, BESSELING Ent. Ber. Amst. **13** 1950.

Frontipodopsella subterranea ♀ redescribed p. 246 figs., ANGELIER **23**.

Georgia (?) *mirabilis* **sp. nov.** Moosbrunn, Wien, Austria p. 1108 fig., WILLMANN Neue Ergebn. Prob. Zool. Leipzig 1950.

Grandiella decemcaudata **sp. nov.** ♀. ♂ on *Omoplata marginata* [Coleopt.], Zapirangai, Bolivia p. 289 figs.; *G. octocaudata* **sp. nov.** ♀. ♂ on *Stolas chalybaea* [Coleopt.], Bariqui, Paraná, Brazil p. 288 figs.; *G. pentagona* **sp. nov.** ♀. ♂ on Cassididae [Coleopt.], Cerro de Naiguatá, Distrito Federal, Venezuela p. 286 figs.; *G. rosascostai* **sp. nov.** ♀. ♂ on *Stolas* sp. [Coleopt.], Caranavi, Pcia Sur Yungas, La Paz, Bolivia p. 285 figs.; *G. esacaudata* redescribed p. 284 figs.; *G. tetracaudata* redescribed p. 283 figs., LOMBARDINI Arthropoda, Buenos Aires **1** 1950.

Gymnodamaeus craterifer, external anatomy p. 545 figs., GRANDJEAN **242**.

Haemaphysalis hoogstraali **sp. nov.** ♂. ♀ on *Mydaus marchei* [Badger], Puerto Princesa, Palawan Id. p. 9 figs.; *H. palawanensis* **sp. nov.** ♂. ♀ on *Mydaus marchei* [Badger], Puerto Princesa, Palawan Id. p. 11 figs.; *H. rusae* **sp. nov.** ♂ on *Rusa* sp. [Mam. Ungul.], Todaya, Mt. Apo. Davao Province, Mindanao Id. p. 15 figs.; *H. sciuri* **sp. nov.** ♂ on *Sciurus mindanensis* [Squirrel] Burungkot, Upi, Cotabato Province, Mindanao Id. p. 17 figs., KOHLS Nat.. Inst. Hlth. Washington Bull. **192** 1950; *H. minuta* **sp. nov.** ♂ on junglefowl (*Gallus lafayettii*), Nikawewa Camp, Kantalai, Eastern Province, Ceylon p. 320 figs., KOHLS J. Parasit. **36** 1950; *H.* key to species of Indonesia p. 23; *H. bispinosa* redescribed p. 26 figs.; *H. cornigera* redescribed p. 30 figs.; *H. hystricis* redescribed p. 35 figs.; *H. koningsbergeri* redescribed p. 39 figs.; *H. papuana* redescribed p. 43 figs.; *H. wellingtoni* redescribed p. 48 figs., ANASTOS **9**; *H. leachi* redescribed p. 268 figs.; *H. leachi humerosoides* redescribed p. 274 figs., DIAS **174**.

Haemogamasus sanguineus Ewing & Stover, 1915 synon. of *Liponyssus bacoti* p. 24, EWING **199**.

Haemolaelaps bibbyi **sp. nov.** ♂. ♀ on rat, probably *Rattus frugivorus*, Samar, Philippine Is. p. 85 figs., STRANDTMANN Proc. ent. Soc. Washington **52** 1950; *H. thompsoni* **sp. nov.** ♀ on *Rattus rattus kandyianus*, Gammaduwa, Mousekande, Ceylon p. 67 fig., TURK Parasitology, Cambridge **40** 1950.

Halacarus (*Halacarus*) *laterculatus* **sp. nov.** Berkeley Sound; Fort William; Burdwood Bank, Falkland Is. p. 3 fig.; *H.* (*H.*) *actenos robustus* redescribed p. 4 figs.; *H.* (*Halacarellus*) *harioti* redescribed p. 9 fig.; *H.* (*H.*) *novus* redescribed p. 12 fig., VIETS Further zool. Res. Swed. Antarct. Exped. **4** 1950; *H.* (*Halacarellus*) *petiti* **sp. nov.** nymph Etang de Salses, Pyrénées Orientales, France p. 214 figs., ANGELIER Vie et Milieu, Paris **1** 1950.

Haleupalus **nom. nov.** pro *Eupalus* C. L. Koch 1838 preocc. p. 87, RADFORD Union Int. Sci. Biol. Paris Sec. C. No. 1 1950.

Haplothrombium **gen. nov.** [Trombidiidae] defined p. 1110, type species *H. klatti* **sp. nov.** Pechrendsina, Austria p. 1111 figs., WILLMANN Neue Ergebn. Prob. Zool. Leipzig 1950.

Heterocheylus lomani **sp. nov.** ♂ on Passalid beetle, Unkimbungu, Belgian Congo p. 104 figs.; *H.* systematic position of genus p. 108; H. key to species p. 110, TRÄGÅRDH Ent. Tidskr. Stockh. **71** 1950.

Hirstesia transvaalensis **sp. nov.** ♂. ♀ nymph. off *Miniopterus natalensis*, Sterkfontein Caves, Transvaal p. 89 fig., ZUMPT J. ent. Soc. sthn Afr. **13** 1950.

Histiostoma laboratorium **sp. nov.** in a *Drosophila* culture, Richmond, Virginia p. 177 figs., HUGHES J. Washington Acad. Sci. **40** 1950.

Hungarohydracarus multiporus **sp. nov.** ♀ Rivière de la Têt, Eaux-et-Forêts, Pyrénées Orientales p. 252 figs., ANGELIER Mém. Mus. nat. Hist. Paris **29** 1949 [1950].

Hyalomma marginatum español **subsp. nov.** ♂ Santa Galdana, Minorca p. 7 figs., COLEADO Treb. Mus. Cienc. nat. Barcelona **11** 1936; *H. steineri enigkianum* **subsp. nov.** ♂. ♀ on horse, Biscarosse, Arcachon, South France p. 545 figs., SCHULZE Z. Parasitenk. **14** 1950; *H. impressum transiens* redescribed p. 233 figs., DIAS **174**; *H. savignyi* teratology p. 93 figs., FELDMAN-MUHSAM **209**.

Hydrachna (*Chitohydrachna* **subgen. nov.**) *ennishonensis* **sp. nov.** ♂ ♀ Ennishone, Victoria County, New Brunswick p. 116 figs., HABEEB Nat. canad. Quebec **77** 1950.

Hydrovolzia placophora new to North America p. 112 fig., HABEEB **254**.

Hydrozetes incisus, 1948 synon. of *H. thienemanni* Strenzke, 1943 p. 552, GRANDJEAN **242**.

Hydryphantes altomontanus **sp. nov.** larva on *Perlodes intricata* [Plecoptera: Insecta] Tirol, Austria p. 144 figs., VITZTHUM Z. Parasitenk. **12** 1941.

Hypoaspis (*Androlaelaps*) *africanus* **sp. nov.** ♀ on *Saccostomus* sp. [Rodent], Abercorn pont, Zululand p. 301 fig.; *H.* (*A.*) *theseus* **sp. nov.** ♀. ♂ on *Mastomys coucha* [Rodent], Wakkerstroom, Transvaal p. 301 figs.; *H.* (*A.*) *zuluensis* **sp. nov.** ♀ on *Aethiomys namaquensis* [Rodent], Abercorn pont, Zululand p. 300 fig., ZUMPT Parasitology, Cambridge **40** 1950; *H.* (*Androlaelaps*) *africanoides* **sp. nov.** ♂. ♀ off *Tatera schinzi*, Filabusi, South Rhodesia p. 72 figs.; *H.* (*A.*) *africanus* description revised p. 70 figs.; *H.* (*A.*) key to Ethiopian species p. 69, ZUMPT & PATTERSON S. Afr. J. Med. Sci. **15** 1950.

Hystrichonychus **gen. nov.** [Tetranychidae] defined p. 272; type species *Tetranychus gracilipes* Banks 1900 p. 272 figs., MCGREGOR Amer. Midl. Nat. **44** 1950.

Ichoronyssus longisetosus **sp. nov.** ♂. ♀. Protonymph from lump nosed bat, *Corynorhinus rafinesquii intermedius* and *C. r. pallescens*, California p. 479 figs.; *I. britannicus* new record for North America p. 480, FURMAN J. Parasit. **36** 1950.

Indocentor synon. of *Dermacentor* p. 15 ANASTOS **9**.

Ixodes ceylonicus **sp. nov.** ♀ on mongoose (*Herpestes smithii zeylanicus*), Namunukula, Galapitakande, Uva Province, Ceylon p. 321 figs., KOHLS J. Parasit. **36** 1950; *I. mindanensis* **sp. nov.** ♀ on *Turdus poliocephalus* [Aves], Mt. McKinley, Davao Province, Mindanao, Philippine Is. p. 5 figs.; *I. werneri* **sp. nov.** ♀ on *Rattus palawanensis*, Mt. Balabag, Mantalingajan Range, southern Palawan Id. p. 6 figs., KOHLS Nat. Inst. Hlth. Washington Bull. **192**$\frac{1}{2}$1950; *I. ventalloi* **sp. nov.** ♀ from *Athene noctua* [Aves], Barcelona p. 5 figs., COLEADO Treb. Mus. Cienc. nat. Barcelona **11** 1936; *I. cavipalpus* redescribed p. 142 figs., DIAS **174**; *I. granulatus* redescribed p. 17 figs.; *I. spinicoxalis* redescribed p. 21 figs., ANASTOS **9**; *I. persulcatus* details p. 101 figs.; *I. ricinus* details p. 96 figs.; *I. trianguliceps* details p. 105 figs., NAMYSŁOWSKA **419**; *I. woodi* ♂ neallotype described in den of wood rat, *Neotoma* **sp.**, Brownsville, Texas p. 65 fig., KOHLS **338**.

Johnstoniana bujori **sp. nov.** Izvorul Sărat, Odorhei, Rumania p. 12 figs.; *J. longipalpe* redescribed p. 9 figs., FEIDER An. Acad. Rep. Pop. Roman **3** 1950.

Kongsbergia elliptica **sp. nov.** ♂ Basses-Pyrénées, France p. 242 figs.; *K. alata* notes p. 244 figs.; *K. augusta* redescribed p. 238 figs.; *K. clypeata* note p. 240; *K. dentata* redescribed p. 243 figs.; *K. simillima* redescribed p. 240 figs., ANGELIER Bull. Mus. Hist. nat. Paris (2) **22** 1950; *K. alata* ♀ redescribed p. 249 figs.; *K. clypeata* ♂. ♀ redescribed p. 247 figs., ANGELIER **23**; *K. vietsi* redescribed p. 1019 figs., VIETS **615**.

Laelaps atypicus **sp. nov.** ♀ on bicoloured spiny rat (*Coelomys bicolor*), Mousekande, Gammaduwa, Ceylon p. 63 figs., TURK Parasitology, Cambridge **40** 1950; *L. simillimus* **sp. nov.** ♀. ♂ off *Thallomys namaquensis*, Johannesburg, Transvaal p. 81 figs.; *L. transvaalensis* **sp. nov.** ♀ off *Otomys irroratus*, Krugersdorp, Transvaal p. 82 figs.; *L.* key to African species p. 78, ZUMPT S. Afr. J. Med. Sci. **15** 1950; *L. echidninus*, *L. jettmari*, *L. nuttalli*, notes in Japanese p. 24 figs., ASANUMA **29**.

Lethaxona cavifrons **sp. nov.** ♂. ♀ Jád-Baches, Jádremete, Bihar, Rumania p. 61 figs., SZALAY Folia ent. hung., Budapest **8** 1943; *L. gallica* **sp. nov.** ♂. ♀ between Tech-sur-Tech and Arles-sur-Tech, Pyrénées Orientales p. 240 figs., ANGELIER Mém. Mus. nat. Hist. Paris N.S. **29** 1949 [1950].

Liacarus vombi **sp. nov.** Vombsjön; Sösdala; Karlskrona; Ismantrop; South Sweden p. 40 figs., DALENIUS K. fysiogr. Sällsk. Lund. Förh. **20** 1950.

Limnesia (?) *tuberculata* **sp. nov.** nymph. Spring near Lake Likari, Thebes, Greece p. 151 figs., VIETS J. Quekett micr. Cl. (4) **3** 1950.

Liponysella madagascariensis ♂ & nymph described p. 166 figs., ZUMPT **644**.

Lohmannella bihamata **sp. nov.** ♂ Berkeley Sound, Falkland Is. p. 33 fig.; *L. reticulata* **sp. nov.** ♂ Berkeley Sound, Falkland Is. p. 31 fig.; *L.* key to species p. 35, VIETS Further zool. Res. Swed. Antarct. Exp. **4** 1950.

Lohmannia lanceolata **sp. nov.** Colon, Panama p. 119 figs., GRANDJEAN Arch. Zool. exp. gén. Paris **87** 1950.

Lombardiniella **subgen. nov.** see *Percanestrinia*, COOREMAN **141.**

Lucoppia burrowsii characters p. 344 figs., GRANDJEAN **245.**

Lundbladia plumifera ♂ redescribed p. 232 figs., ANGELIER **19.**

Mackiena **gen. nov.** [Trombiculidae] defined p. 126; type species *M. empodiformia* **sp. nov.** larva, from weaver-finch (*Ploceus manyar peguensis*, Myitkyina, Burma, p. 126 figs., TRAUB & EVANS J. Wash. Acad. Sci. **40** 1950.

Macrolaelaps taprobanius **sp. nov.** ♀ on *Bandicota malabarica*, Gammaduwa, Mousekande, Ceylon p. 65 fig., TURK Parasitology, Cambridge **40** 1950.

Margaropus annulatus calcaratus new to Italy p. 110, CAVACEPPI **104.**

Mealia maynéi **sp. nov.** ♂ . ♀ Gembloux, Belgium p. 165 figs., COOREMAN Bull. Ann. Soc. Ent. Belg. **86** 1950.

Megapus similis **sp. nov.** ♂ . ♀ between Prats-de-Mollo and Tech sur Tech, Pyrénées Orientales p. 235 figs.; *M. adenophorus* ♂ described, ♀ redescribed p. 232 figs.; *M. spinipes* note p. 234 figs., ANGELIER Mém. Mus. nat. Hist. Paris N.S. **29** 1949 [1950].

Meristaspis taprobanius **sp. nov.** ♂ . ♀ on bat (*Rousettus seminudus*), Matale district, Rattota, Ceylon p. 73 figs.; *M. lateralis* subsp. *ceylonicus* **subsp. nov.** ♀ on bat (*Rousettus seminudus*), Matale district, Rattota, Ceylon p. 73 fig., TURK Parasitology, Cambridge **40** 1950.

Microlichus uncus on *Ornithomyia avicularia* [Hippoboscidae, Diptera] on Rook, *Corvus f. frugilegus* new to Denmark p. 287, JOHNSEN **311.**

Microtrombicula **subgen. nov.** see *Eutrombicula*, EWING **198.**

Monojoubertia **nom. nov.** pro *Joubertia* Oudemans 1905 preocc. p. 171., RADFORD Union Int. Sci. Biol. Paris Sec. C. No. 1 1950.

Myotrombicula gen. redescribed p. 297; *M. vespertilionis* remarks p. 298 fig., EWING **198.**

Neoereunetes **nom. nov.** pro *Microereunetes* Berlese 1924 non *Microereunetes* Berlese 1921 p. 38; *N. centralis* (= *Microereunetes galeatus* var. *centralis* Berl.) notes p. 40 figs., BOTTAZZI Monit. Zool. ital. **58** 1950.

Neoeucheyla **nom. nov.** pro *Eucheyla* Berlese 1913 preocc. p. 82, RADFORD Union Int. Sci. Biol. Paris Sec. C. No. 1 1950.

Neoichoronyssus notes on genus p. 161; *N.* key to ♀ ♀ of N. American subgenera and species p. 162; *N.* (*Patrinyssus* **subgen. nov.**) defined p. 162; subgen. type species *Ichoronyssus hubbardi* Jameson p. 162; *N.* (*Hirstionyssus*) *affinis* **sp. nov.** ♀ . ♂ on pine squirrel, *Tamiasciurus douglasi*, North of Quiney, Plumas Co., California p. 163 figs.; *N.* (*H.*) *hilli* **sp. nov.** ♀ on pocket mouse, *Perognathus parvus*, North of Reno, Washoe Co., Nevada p. 165 figs.; *N.* (*H.*) *triacanthus* **sp. nov.** ♀ on Merriam's kangaroo rat, *Dipodomys merriami*, Pyramid Lake, Washoe Co., Nevada p. 166 figs., WHARTON Proc. ent. Soc. Washington **52** 1950.

Neonyssus beloposkii **sp. nov.** ♂ . ♀ from nasal cavity of *Ardea cinerea* [Aves], Premorsk, Russia p. 1005 figs., BREGETOVA C.R. Acad. Sci. Moscow N.S. **71** 1950; *N.* (*Neonyssus*) key to species p. 312; *N.* (*N.*) *columbae* **sp. nov.** ♀ . ♂ from nasal passages of *Columba domestica*, Lubbock, Texas p. 309 figs., CROSSLEY Proc. ent. Soc. Washington **52** 1950; *N.* (*Ptilonyssoides*) *navajasi* **sp. nov.** ♀ . ♂ on *Nothura maculosa* [Aves], São Paulo and Mato Grosso, Brazil p. 231 figs.; *N.* (*P.*) *trappi* **sp. nov.** ♀ . ♂ on *Tinamus solitarius* [Aves], Boracéa, São Paulo, Brazil p. 229 figs.; *N.* list of species with hosts and localities p. 228, PEREIRA & CASTRO Arq. Inst. Biol. S. Paulo **19** 1950.

Neophyllobius characters p. 55; *N.* transferred to family STIGMAEIDAE p. 55; *N.* key to species p. 56; *N. agrifollae* **sp. nov.** ♀ on oak *Quercus agrifolia*, South Pasadena, California p. 56 fig.; *N. americanus* ♀ redescribed p. 58 fig.; *N. burrellis* **sp. nov.** ♀ on apple tree, Yakima, Washington p. 59 fig.; *N. floridensis* **sp. nov.** ♀ on Spanish moss, Dupont Road, Duval County,

Florida p. 61 fig.; *N. lamimani* **sp. nov.** ♀ on lichen on fig tree, grape and salt grass, Fresno, California p. 62 fig.; *N. mexicanus* **sp. nov.** ♀ on Avocado budwood, "Mexico" p. 63 fig.; *N. sierrae* **sp. nov.** ♀ on incense cedar (*Libocedrus decurrens*), Camp Nelson, California p. 64 fig.; *N. summersi* **sp. nov.** ♀ on salt grass, Davis, California p. 67 fig.; *N. texanus* **sp. nov.** ♀ on peach, Tyler, Texas p. 66 fig.; *N. virginiensis* **sp. nov.** ♀ Arlington, Virginia p. 69 fig., McGregor Bull. S. Calif. Acad. Sci. **49** 1950.

Neotetranychus virginiensis **sp. nov.** ♀. ♂ on Black locust, Arlington Farm, Virginia p. 275 figs., McGregor Amer. Midl. Nat. **44** 1950.

Neothrombium neglectum redescribed p. 1100 figs., Willmann **633.**

Neotydeus **gen. nov.** [Paratydeidae] defined p. 289; type species *N. ardisannae* **sp. nov.** ♀ Sanburn, Johnson Co., Illinois p. 291 figs., Baker J. Wash. Acad. Sci. **40** 1950.

Olopachus suecicus **sp. nov.** ♂ Stockholm, Sweden p. 9 figs., Sellnick Ent. Tidskr. Stockh. **71** 1950.

Oppia minutissima **sp. nov.** ♀ Marchfelde, Austria, p. 275 fig., Sellnick Z. angew. Ent. Berlin **32** 1950; *O. sexmaculata* **sp. nov.** Karlskrona, South Sweden p. 36 fig., Dalenius K. fysiogr. Sällsk. Lund Förh. **20** 1950.

Oribatella arctica **subsp.** *litoralis* **subsp. nov.** Lippe, Holstein, Germany p. 157 fig., Strenzke Kiel. Meeresforsch. **7** 1950.

Ornithodoros erraticus variation in size p. 444 figs., Baltazard *et al* **38**; *O. erraticus* variation of size p. 596, Baltazard *et al* **39**; *O. moubata* redescribed p. 136 figs., Dias **174**; *O. moubata* in burrows, Kenya Colony p. 153, Heisch & Grainger **268**; *O. stageri* redescribed, new to Mexico p. 153 figs., Mazzotti **387**; *O. turicata* distribution in Texas p. 73, Eads *et al* **190.**

Otocentor nitens ♂. ♀ redescribed p. 59 figs., Souza Lopes & Macedo **553.**

Oulenzia **nom. nov.** pro *Lenzia* Oudemans 1928 preocc. p. 152, Radford Union Int. Sci. Biol. Paris Sec. C. No. 1 1950.

Pachygnathus berlesei **sp. nov.** Parma, Italy p. 32 figs., Bottazzi Monit. Zool. ital. **58** 1950.

Paramansia **gen. nov.** [Canestriniidae] defined p. 13; type species *P. menthastri* **sp. nov.** ♂. ♀ under elytra of *Chrysomela* (*Chrysolina*) *menthastri*, Indre et Loire, France p. 14 figs., Cooreman Bull. Mus. Hist. nat. Belg. **26** 33 1950.

Paratetranychus key to species p. 329; *P. coniferarum* **sp. nov.** ♀. ♂ on *Arbor vitae* and other conifers, Glen St. Marys, Florida p. 338 figs.; *P. gramineus* **sp. nov.** ♀. ♂ on grasses and bamboo, Julian, California p. 339 figs.; *P. hawaiiensis* **sp. nov.** ♀. ♂ on Loquat and litchi, Honolulu, T. H. p. 340 figs.; *P. insularis* **sp. nov.** ♀. ♂ on mango, Poamoho, Oahu, Hawaii Is., p. 341 figs.; *P. milleri* **sp. nov.** ♀. ♂ on *Pinus ponderosa* and *P. taeda*, Placerville, California p. 343 figs.; *P. newcomeri* **sp. nov.** ♀. ♂ on pear, Yakima, Washington p. 345 figs.; *P. platani* **sp. nov.** ♀. ♂ on Camphor, *Cotoneaster* sp., Cypress, *Eucalyptus* spp., Loquat, *Pyracantha* sp., *Quercus* spp., Sycamore, Toyon, Yalnut, Willow, Davis, California p. 349 figs.; *P. pritchardi* **sp. nov.** ♀. ♂ on Valley Oak (*Quercus lobata*), Berkeley, California p. 350 figs.; *P. subnudus* **sp. nov.** ♀. ♂ on *Pinus* spp. Oxnard, California p. 354 figs.; *P. americanus* **comb. nov.** pro *Oligonychus americanus* Ewing 1921 p. 333 figs.; *P. afrasiaticus* redescribed p. 331 fig.; *P. alpinus* redescribed p. 332 fig.; *P. bicolor* redescribed p. 334 figs.; *P. citri* redescribed p. 335 figs.; *P. coiti* redescribed p. 337 fig.; *P. ilicis* redescribed p. 340 fig.; *P. major* **comb. nov.** pro *Oligonychus major* Ewing 1921 p. 343; *P. modestus* note p. 344; *P. peruvianus* redescribed p. 346 figs.; *P. pilosus* redescribed p. 348 figs.; *P. sacchari* redescribed p. 351 fig.; *P. simplex* redescribed p. 352 fig.; *P. stickneyi* redescribed p. 353 fig.; *P. uniunguis* **comb. nov.** pro *Tetranychus uniunguis* Ewing 1917 p. 356; *P. ununguis* redescribed p. 356 figs.; *P. viridis* redescribed p. 357 fig.; *P. yothersi* redescribed p. 358 figs., McGregor Amer. Midl. Nat. **44** 1950.

Partnunia uchidai **sp. nov.** ♂. ♀ Kamikoshi, Kamikawa-gun, Hokkaido, Japan p. 33 figs., Imamura J. Fac. Sci. Hokkaido Univ. (Zool.) (6) **10** 1950.

Patrinyssus **subgen. nov.** see *Neoichoronyssus*, Wharton **304.**

Pavlovskiana chaunae notes p. 454 fig., Dubinin **183.**

Percanestrinia (*Percanestrinia*) *saetolata* **sp. nov.** ♀ under elytra of *Procrustes coriaceus*, without locality p. 42 fig.; *P.* (*Lombardiniella* **subgen. nov.**) *gentilis* redescribed p. 39 figs., COOREMAN Bull. Mus. Hist. nat. Belg. **26** 33 1950.

Pergamasus bidens **sp. nov.** ♂ . ♀ Marchfelde, Austria p. 276 figs., SELLNICK Z. angew. Ent. Berlin **32** 1950.

Periglischrus africanus **sp. nov.** ♂ . ♀ off *Rhinolophus geoffroyi*, Sterkfontein Caves, Transvaal p. 93 figs., ZUMPT J. ent. Soc. sthn Afr. **13** 1950.

Petrobia latens redescribed p. 363 figs., MCGREGOR **372.**

Phauloppia lucorum characters p. 344 figs., GRANDJEAN **245.**

Photia chrysocarabi **sp. nov.** ♂ . ♀ under elytra of *Chrysocarabus auronitens*, Arlon, Belgium p. 34 figs.; *P. procera* ♂ . ♀ redescribed p. 26 figs., COOREMAN Bull. Mus. Hist. nat. Belg. **26** 33 1950.

Phthiracarus anonymum redescribed p. 73 figs., GRANDJEAN **243.**

Pionacercopsis vatrax redescribed p. 1017 figs., VIETS **615.**

Pionacercus scutatus ♀ redescribed, new to France p. 357 figs., ANGELIER **20.**

Pionopsis lutescens new to France p. 60, SCHACHTER **516.**

Platynothrus peltifer observations on eggs and life history p. 229, GRANDJEAN **244.**

Pneumonyssus simicola, pathology p. 626 figs., KIRSCH **329.**

Podothrombium cordatum **sp. nov.** Piatra Neamt, Rumania p. 18 figs.; *P. moldavicum* **sp. nov.** Rumania p. 21 figs., FEIDER An. Acad. Rep. Pop. Rom. **3** 1950; *P. macrocarpum* var. *meridionalis* new to France p. 540 figs., ANDRÉ **12.**

Procericola **gen. nov.** [Canestriniidae] defined p. 44; type species *P. ichthyoides* **sp. nov.** ♂ . ♀ under elytra of *Procerus gigas*, Carniolia, Yugoslavia p. 44 figs., COOREMAN Bull. Mus. Hist. nat. Belg. **26** 33 1950.

Prowichmannia **nom. nov.** pro *Wichmannia* Oudemans 1929 preocc. p. 160, RADFORD Union Int. Sci. Biol. Paris Sec. C. No. 1 1950.

Pseudamansia **gen. nov.** [Canestriniidae] defined p. 5; type species *Dermaleichus chrysomelinus* C. L. Koch 1841 redescribed p. 5 figs., COOREMAN Bull. Mus. Hist. nat. Belg. **26** 33 1950.

Pseudobryobia **gen. nov.** [Tetranychidae] defined p. 366; type species *P. bakeri* **sp. nov.** ♀ Mt. Pococatapetl, Mexico p. 366 figs.; *P. drummondi* **comb. nov.** pro *Petrobia drummondi* Ewing 1926 p. 368, MCGREGOR Amer. Midl. Nat. **44** 1950.

Pseudogiebelia **nom. nov.** pro *Giebelia* Trouessart 1915 preocc. p. 167, RADFORD Union Int. Sci. Biol. Paris Sec. C. No. 1 1950.

Pseuduropoda barbatula **sp. nov.** ♂ Rabka, Austria p. 187 figs., WILLMANN Zool. Anz. **145** 1950.

Psoroptes equi variation p. 41 figs., DUBININ **187**; *P. equi* v. *cuniculi* revised description p. 11 fig., NÁJERA & MAYER **414**; *P. equi* var. *cuniculi*, morphology p. 357 figs., NÁJERA & MAYER **416.**

Pterochthonius angelus redescribed p. 85 figs., GRANDJEAN **240.**

Ptilonyssus (*Ptilonyssus*) *olaioi* **sp. nov.** ♀ on *Ampelion cucullatus* [Aves], Boracea, São Paulo, Brazil p. 219 figs.; *P.* (*Rhinonyssoides*) *donatoi* **sp. nov.** ♀ on *Coragyps atratus foetens* [Aves], São Paulo, Brazil p. 224 figs.; *P.* (*R.*) *souzai* **sp. nov.** ♀ . ♂ on *Milvago chimachima chimachima* and *Rupornis magnirostris magniplumis* [Aves], São Paulo, Brazil p. 223 figs.; *P.* (*R.*) *nitschi* **comb. nov.** p. 222; *P.* (*R.*) *squamosus* **comb. nov.** p. 222; *P.* (*Rochanyssus*) *werneri* **comb. nov.** p. 226; *P.* (*Paraneonyssus*) *enriettii* **comb. nov.** p. 227; *P.* (*Paraneonyssus*) *travassosfilhoi* **comb. nov.** p. 227; *P.* (*Paraneonyssus*) *hirsti* **comb. nov.** p. 227; *P.* (*Travanyssus*) *paranensis* **comb. nov.** p. 227; *P.* list of species with hosts and localities p. 219, PEREIRA & CASTRO Arq. Inst. Biol. S. Paulo **19** 1950.

Radfordia michaeli redescribed p. 221 figs.; *R. trouessarti* redescribed p. 219 figs.; *R. lancearia* ♂ . ♀ redescribed p. 360 figs.; *R. oudemansi* ♂ . ♀ redescribed p. 361 figs.; *R. caudata* ♂ redescribed p. 464 figs.; *R. ingens* ♀ redescribed p. 466; *R. magna* ♂ . ♀ redescribed p. 466 figs.; *R. multivaga* ♂ . ♀ redescribed p. 462 figs.; *R. heteronycha* redescribed p. 692 figs.; *R. affinis* redescribed p. 694 figs., RADFORD **476.**

Radfordilaelaps **gen. nov.** [Hypoaspidinae] type species *R. meridionalis* **sp. nov.** ♀ . ♂ off common springhare, *Pedetes caffer*, Gemsbokfontein, Naboomspruit, Northern Transvaal p. 83 figs., ZUMPT J. ent. Soc. sthn Afr. **13** 1950.

Rhipicephalus piresi **sp. nov.** ♂ on squirrel, *Paraxerus cepapi auriventris*, Lumasse, (Guijá, Gaza district), Mozambique p. 133 figs., DIAS Moçambique, No. 62 1950 ; *R. serranoi* **sp. nov.** ♂ . ♀ on *Oreotragus oreotragus oreotragus* [Mamm.], Mutuali, Niassa Province, Mozambique p. 143 figs., DIAS Moçambique No. 63 1950 ; *R. tendeiroi* **sp. nov.** ♂ on lion, Mocimboa do Rovuma (Macondes, Porto Amélia district, Niassa province, Mozambique p. 217 figs., DIAS An. Inst. Med. trop. Lisboa **7** 1950 ; *R. appendiculatus* redescribed p. 160 figs. ; *R. capensis* redescribed p. 185 figs. ; *R. duttoni* redescribed p. 168 figs. ; *R. evertsi mimeticus* redescribed p. 215 figs.; *R. neavei punctatus* p. 177 figs. ; *R. oculatus* redescribed p. 208 figs. ; *R. sanguineus* redescribed p. 149 figs. ; *R. simus* redescribed p. 193 figs. ; *R. tricuspis* redescribed p. 201 figs., DIAS **174** ; *R. lunulatus* redescribed, new to Mozambique p. 206 figs. ; *R. tricuspis* redescribed, new to Mozambique p. 201 figs., DIAS **169** ; *R. appendiculatus* notes p. 175 figs. ; *R. bursa* notes p. 173 fig. ; *R. capensis capensis* notes p. 172 figs. ; *R. capensis longus* notes p. 180 fig. ; *R. duttoni* notes p. 177 figs. ; *R. lunulatus* notes p. 182 figs. ; *R. masseyi* notes p. 182 figs. ; *R. neavei punctatus* notes p. 185 fig. ; *R. oculatus* notes p. 176 fig. ; *R. sanguineus sanguineus* notes p. 170 fig., DIAS **168** ; *R. ayrei* characters p. 424 figs. ; *R. capensis* characters p. 424 figs. ; *R. falcatus* characters p. 423 figs. ; *R. masseyi* redescribed p. 420 figs. *R. neavei* characters p. 417 figs. ; *R. neavei* var. *punctatus* redescribed p. 417 figs. ; *R. sculptus* redescribed p. 419 figs. ; *R. simpsoni* characters p. 423 figs.; *R. supertritus* redescribed p. 418 figs., WILSON **635** ; *R.* key to species of Indonesia p. 59 ; *R. haemaphysaloides haemaphysaloides* redescribed p. 60 figs. ; *R. haemaphysaloides pilans* redescribed p. 65 figs. ; *R. sanguineus* redescribed p. 68 figs., ANASTOS **9**.

Rohaultia insignis redescribed p. 15 figs., FEIDER **207**.

Sarcoptes lasionycteris **sp. nov.** ♀ on silver haired bat, *Lasionycteris noctivagans*, Jefferson County, Pennsylvania p. 95 figs., BOYD & BERNSTEIN Proc. ent. Soc. Washington **52** 1950.

Schizotetranychus key to species p. 307 ; *S. cercocarpi* **sp. nov.** ♀ . ♂ on *Cercocarpus* sp., Camp Nelson, California p. 308 figs. ; *S. cynodonis* **sp. nov.** ♀ . ♂ on Bermuda grass, salt grass, Sentenac Canyon, California p. 309 figs. ; *S. eremophilus* **sp. nov.** ♀ . ♂ on Bermuda grass, Plaster City, California p. 311 figs. ; *S. elymus* **sp. nov.** ♀ . ♂ on grasses *Elymus triticoides* and *E. condensatus*, Pine Valley, San Diego Co., California p. 310 figs. ; *S. celarius* **comb. nov.** pro *Stigmaeopsis celarius* Banks 1917 p. 308 figs. ; *S. floridensis* **comb. nov.** pro *Divarinychus floridensis* McGregor 1930 p. 312 ; *S. schizopus* redescribed p. 313 fig. ; *S. spireafolia* redescribed p. 315 fig., MCGREGOR Amer. Midl. Nat. **44** 1950.

Schöngastia madecassa **sp. nov.** larva ex Cameleon, Mont d' Ambre, Madagascar p. 537 figs., ANDRÉ Bull. Mus. Hist. nat. Paris (2) **21** 1949 [1950].

Scirula impressa note p. 252 figs., BAKER & HOFFMANN **37**.

Septanychus key to species p. 316 ; *S. braziliensis* **sp. nov.** ♀ on quince and banana, Vicosa, Brazil p. 318 fig. ; *S. canadensis* **sp. nov.** ♀ . ♂ on apple, Ontario, Canada p. 319 figs. ; *S. cocosi* **sp. nov.** ♀ . ♂ on Royal palm (*Cocos plumosa*), Whittier, California p. 320 figs. ; *S. deserticola* **sp. nov.** ♀ . ♂ on creosote bush (*Larrea tridentata*) and cotton, *Stillingia treculeana*, Palm Springs, California p. 321 figs. ; *S. deviatarsus* **sp. nov.** ♀ . ♂ on Burr-clover, carrot, celery, castor bean, greenhouse plants, guayule, Anaheim, California p. 322 figs. ; *S. mexicanus* **sp. nov.** ♀ . ♂ on orange, Mexico (intercepted at Laredo, Texas) p. 323 figs. ; *S. texazona* **sp. nov.** ♀ . ♂ on carrot, cotton, turnip, College Station, Texas p. 328 figs. ; *S. schoenei* redescribed p. 324 fig. ; *S. tumidus* redescribed p. 326 figs., MCGREGOR Amer. Midl. Nat. **44** 1950 ; *S. texazona* taxonomic status p. 951 fig., MCGREGOR **374**.

Simplinychus **gen. nov.** [Tetranychidae] defined p. 274 ; type species *Neotetranychus buxi* Garman 1935 p. 274 figs., MCGREGOR Amer. Midl. Nat. **44** 1950.

Sperchon clupeifer, teleiophan stage p. 150 fig., VIETS **614**; *S. resupinus* ♀ redescribed p. 234 figs.; *S.* (*M.*) *papillosus* ♂ redescribed p. 236 figs., ANGELIER **19**.

Spinturnix orientalis **sp. nov.** ♂ on bat (*Taphozous* (*Saccolaimus*) *saccolaimus*), Gammaduwa, Ceylon p. 73 figs., TURK Parasitology, Cambridge **40** 1950; *S. viduus* **sp. nov.** ♂. ♀ off *Rhinolophus geoffroyi*, Sterkfontein Caves, Transvaal p. 92 figs., ZUMPT J. ent. Soc. sthn Afr. **13** 1950.

Sternostomum minutus **sp. nov.** ♂. ♀ in nasal cavity of *Charadrius hiaticula*, Eastern Murman, Russia p. 1007 figs., BREGETOVA C.R. Acad. Sci. Moscow N.S. **71** 1950.

Stygomomonia gracilis ♀ redescribed p. 250 figs., ANGELIER **23**.

Stygothrombium angelieri **sp. nov.** Hospitalet, Ariège, France p. 685 figs.; *S. angelieri* var. *minor* **var. nov.** Ponte Germe, Nord d'Arudy, Basses-Pyrénées p. 688 figs.; *S. gallicum* redescribed p. 681 figs.; *S. gallicum* var. *delphinensis* **var. nov.** Barraques-en-Vercors, Drôme, France, p. 685 figs., ANDRÉ Bull. Mus. Hist. nat. Paris (2) **21** 1949 [1950].

Suctobelba key to species of Schleswig-Holstein, Germany p. 340; *S. duplex* **sp. nov.** Schleswig-Holstein p. 342; *S. forsslandi* **sp. nov.** Schleswig-Holstein p. 342; *S. latirostris* **sp. nov.** Schleswig-Holstein p. 343; *S. perforata* **sp. nov.** Schleswig-Holstein p. 343; *S. singularis* **sp. nov.** Schleswig-Holstein p. 342; *S. tuberculata* **sp. nov.** Schleswig-Holstein p. 341; *S. acutidens* subsp. *lobata* **subsp. nov.** Schleswig-Holstein p. 342, STRENZKE Arch. Hydrobiol. **44** 1950.

Tanaupodus passimpilosus redescribed p. 5 figs., FEIDER **207**.

Tetranychina key to species p. 360; *T. lupini* **sp. nov.** ♀. ♂ on *Lupinus arboreus*, Oxnard, California p. 362 figs.; *T. harti* **comb. nov.** pro *Neophyllobius harti* Ewing 1909 p. 363; *T. apicalis* redescribed p. 360 figs., MCGREGOR Amer. Midl. Nat. **44** 1950.

Tetranychus key to species p. 277; *T. caribbeanae* **sp. nov.** ♀ on Cassava, Loiza, Puerto Rico p. 283 figs.; *T. deflexus* **sp. nov.** ♀. ♂ on *Symphoricarpos* sp. & *Azalea*, Sexton Grade, near Grant's Pass, Oregon p. 284 figs.; *T. equatorius* **sp. nov.** ♀. ♂ on *Cinchona* sp., *Cracca vogeli*, *Grammatophyllum*, peanut, string bean, water hyacinth, watermelon, Waipahu School, Oahu, T. H. p. 285 figs.; *T. hicoriae* **sp. nov.** ♀. ♂ on Pecan, Wiggins, Mississippi p. 287 figs.; *T. malvastris* **sp. nov.** ♀. ♂ on *Malvastrum* sp., Whittier, California p. 290 figs.; *T. marianae* **sp. nov.** ♀. ♂ on *Argyreia*? sp., *Melanolepis multiglandulosa*, *Passiflora foetida*, *Ricinus communis*, Mt. Lasso Tinian Id., Marianne Group p. 291 figs.; *T. multisetis* **sp. nov.** ♀. ♂ on apple, bean,, castor bean, *Porana racemosa* and *Umbrella* tree, Riverside, California p. 294 figs.; *T. perplexus* **sp. nov.** ♀. ♂ on *Cercocarpus* sp., *Prunus* spp., *Salix* sp., Lebec, California p. 298 figs.; *T. piercei* **sp. nov.** ♀. ♂ on *Clitoria ternatea*, Victorias Occ. Negros, Philippine Is. p. 299 figs.; *T. planki* **sp. nov.** ♀. ♂ on *Erythrina berteroana*, Mayaguez, Puerto Rico p. 300 figs.; *T. thujae* **sp. nov.** ♀. ♂ on Arborvitae (*Thuja* sp.), evergreens, Montriello, Florida p. 303 figs.; *T. althaeae* redescribed p. 279 fig.; *T. atlanticus* redescribed p. 280 fig.; *T. bimaculatus* redescribed p. 281 figs.; *T. californicus* redescribed p. 282 fig.; *T. ellipticus* redescribed p. 284 figs.; *T. flavus* redescribed p. 286 fig.; *T. lewisi* redescribed p. 288 fig.; *T. libocedri* redescribed p. 289 fig.; *T. mcdanieli* redescribed p. 292 fig.; *T. monticolus* redescribed p. 293 figs.; *T. oregonensis* redescribed p. 295 fig.; *T. pacificus* redescribed p. 296 figs.; *T. pallidus* redescribed p. 297 figs.; *T. sexmaculatus* redescribed p. 301 figs.; *T. telarius* redescribed p. 302 figs.; *T. yumensis* redescribed p. 304 fig., MCGREGOR Amer. Midl. Nat. **44** 1950; *T. althaeae*, *T. bimaculatus*, *T. equatorius*, *T. telarius*, *T. urticae*, *T. multisetis* taxonomic status p. 951 figs., MCGREGOR **374**.

Tiphys torris palustris **var. nov.** ♀ Agelerbroek, Ootmarsum, Holland p. 186, BESSELING Ent. Ber. Amst. **13** 1950.

Torpacarus **gen. nov.** [Lohmanniidae] type species *T. omittens* **sp. nov.** Guayra, Venezuela p. 126 figs., GRANDJEAN Arch. Zool. exp. gén. Paris **87** 1950.

Trisetica **gen. nov.** [Trombiculidae] defined p. 356; type species *T. melvini* **sp. nov.** larva Myitkyina, Burma p. 356 figs., TRAUB & EVANS J. Parasit. **36** 1950.

Trombella otiorum redescribed p. 1 figs., FEIDER **207**.

Trombicula (*Neotrombicula*) North American species reviewed p. 153; *T.* (*N.*) *alaskensis* **sp. nov.** on *Hylocichla ustulata* (Passer. Aves), Juneau, Alaska p. 178; *T.* (*N.*) *browni* **sp. nov.** on *Peromyscus maniculatus* [Rod. Mamm.], Ten Sleep, Wyoming p. 178; *T.* (*N.*) *carterae* **sp. nov.** on *Peromyscus* sp., Orange Country, North Carolina p. 184; *T.* (*N.*) *dinehartae* **sp. nov.** on *Peromyscus maniculatus*, Marin County, California p. 179 fig.; *T.* (*N.*) *eusignata* **sp. nov.** on *Eutamias amoenus* [Rod. Mamm.], Missoula County, Montana p. 162 fig.; *T.* (*N.*) *farrelli* **sp. nov.** on *Peromyscus* sp., Orange County, North Carolina p. 185 figs.; *T.* (*N.*) *goodpasteri* **sp. nov.** on *Pitymys pinetorum* [Rod. Mamm.], Clermont County, Ohio p. 180; *T.* (*N.*) *jewetti* **sp. nov.** on *Clethrionomys californicus* [Rod. Mamm.], Plumas County, California p. 182; *T.* (*N.*) *lipovskyi* **sp. nov.** on *Peromyscus* sp., Norton County, Kansas p. 177 fig.; *T.* (*N.*) *richmondi* **sp. nov.** on *Microtus pennsylvanicus*, Somerset Co., Pa. p. 183; *T.* (*N.*) *subsignata* **sp. nov.** on *Microtus pennsylvanicus*, Broome Co., N.Y. p. 159 fig.; *T.* (*N.*) *sylvilagi* **sp. nov.** on *Sylvilagus floridanus* [Mamm.], Leavenworth Co., Kansas p. 186 figs.; *T.* (*N.*) *varians* **sp. nov.** on *Citella columbianus* [Rodent.], Missoula Co., Montana p. 188 figs.; *T.* (*N.*) *waynensis* **sp. nov.** on *Melospiza georgiana* [Passer. Aves], Wayne Co., Pa. p. 188; *T.* (*N.*) *bisignata* redescribed p. 157 fig.; *T.* (*N.*) *californica* redescribed p. 169; *T.* (*N.*) *cavicola* redescribed p. 172 fig.; *T.* (*N.*) *harperi* redescribed p. 170; *T.* (*N.*) *microti* redescribed p. 164 figs.; *T.* (*N.*) *microti* redescribed p. 164 figs.; *T.* (*N.*) *rohweri* redescribed p. 174; *T.* (*N.*) *whartoni* redescribed p. 175 fig., BRENNAN & WHARTON Amer. Midl. Nat. **44** 1950; *T.* (*Eutrombicula*) *belkini* **sp. nov.** larva, on *Perognathus californicus* [Mamm.] also on man and *Phrynosoma coronatum frontale* [Rept.], Los Angeles Co., California p. 367 fig., GOULD Wasmann J. Biol. **8** 1950; *T. sylvestris* **sp. nov.** larva on *Rattus sabanus vociferans*, Ulu Langat Forest Reserve, Kuala Lumpur, Malaya p. 325 figs., AUDY & TRAUB Bull. Raffles Mus. No. 23 1950; *T. batui* **sp. nov.** larva on *Eonycteris spelaea* (insectivorous bat), Batu Caves, Selangor, Malaya p. 29 fig.; *T. insolli* **sp. nov.** larva on *Eonycteris spelaea* (insectivorous bat), Batu Caves, Selangor, Malaya p. 32 fig., PHILIP & TRAUB J. Parasit. **36** 1950; *T. fujigmo* **sp. nov.** larva on shrew (*Crocidura vorax*), Myitkyina, Burma p. 53 figs.; *T. tamiyai* **sp. nov.** larva on (probably) *Microtus montebelli*, Okiage village, Yamagata, Honshu, Japan p. 51 figs.; *T. japonica* comparison p. 50 fig., PHILIP & FULLER Parasitology, Cambridge **40** 1950; *T.* (*Leptotrombidium*) *fuji* **sp. nov.** larva on field mouse, *Apodemus speciosus*, Mount Fuji, Fujino Susuno (Gotemba), Japan p. 80 figs.; *T. intermedia* p. 83 fig.; *T. scutellaris* p. 83 fig., KUWATA *et al* J. Parasit. **36** 1950; *T.* (s. str.) *multisetosa* **sp. nov.** larva on *Evotomys glareolus* and *Apodemus flavicollis*, *A. sylvaticus*, Hofeberg, Germany p. 62 figs., WILLMANN Jber. schles. Ges. vaterl. Kult. No. 116 1943; *T.* (*Eutrombicula*) *alfreddugesi* new host record, on copperhead snake, *Agkistrodon contortrix*, North Carolina p. 494, HYLAND **295**; *T. autumnalis* sense organs p. 484 figs., JONES **312**; *T. autumnalis* distribution and bionomics p. 1, JONES **315**; *T. autumnalis* variation of larval form in Great Britain p. 105 figs., RICHARDS **493**; *T. autumnalis* observations p. 366 figs., TUXEN **597**; *T. deliensis* variation of standard data p. 252, AUDY *et al* **32**.

Trombidium pusillum var. *tarnavensis* **var. nov.** forma *amphibia* **forma nov.** Izvorul Sărat, Rumania p. 10 figs.; *T. pusillum* var. *tarnavensis* forma *sylvestris* **forma nov.** Tărcei, Odorhei, Rumania p. 13 figs., FEIDER An. Acad. Rep. Pop. Roman **3** 1950.

Tuckerella pavoniformis **comb. nov.** pro *Eupalopsis pavoniformis* Ewing 1922 p. 368 figs., MCGREGOR **372**.

Tyroglyphus farinae embryonic development p. 873 figs., HUGHES **290**.

Uroseius novus redescribed p. 643 figs., NEUMANN & SELLNICK **424**.

Valgothrombium confusum nymph described p. 1 figs., FEIDER **206**.

†ANTHRACOMARTI

[No record.]

†KUSTARACHNIDA

[No record.]

†HAPTOPODA

[No record.]

†TRIGONOTARBI

[No record.]

†PHALANGIOTARBI

[No record.]

†ARCHITARBI

[No record.]

TARDIGRADA

Faunal list.—Switzerland, BARTŐS **43**; Czechoslovakia, BARTŐS **44**.

Pseudechiniscus cornutus var. *lobata* new characters p. 293 fig., BARTŐS **43**.

PENTASTOMIDA

Armillifer Sambon 1922 synonym of *Nettorhynchus* Blainville 1824 p. 130, DOLLFUS **176**.

CHILOPODA

Taxonomic keys to common species of North Central States of America, EDDY & HODSON **196**.

Faunal list,—Alaska WEBER **626**; Western South Carolina, CRABILL **145**.

Arctogeophilus fulvus ♀ redescribed p. 254 figs., CRABILL **143**.

Brasilophora trimarmorata **sp. nov.** ♀ Rancho Grande, Venezuela p. 187 figs., BÜCHERL Mem. Inst. Butantan **22** 1950.

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Cryptops (*T.*) *debilis* **sp. nov.** Arredores de Abancaf, Andes, Peru p. 179 figs., BÜCHERL Mem. Inst. Butantan **22** 1950; *C. longipes* **sp. nov.** ♂ Courzieu, Rhône, France p. 195 figs., GOUX Bull. Soc. Linn. Lyon. **19** 1950.

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Taxonomic keys to common species of North Central States of America, EDDY & HODSON **196**.

Faunal list.—Lublin, Poland, STOJAŁOWSKA **562**; Penicillates of Africa and Madagascar MARQUET & CONDÉ **384**.

CLEIDOGONIDAE redefined with key to genera p. 88, HOFFMAN **279**.

SPIROSTREPTINAE revision of subfam. with key to genera p. 179: List of synonomys p. 188, ATTEMS **30**.

Alloporus (*Alloporus*) *hamifer* **sp. nov.** ♂ Ugano, Matengo-Hochland, Tanganyika Territory p. 205 figs.; *A.* (*Hessonoporus* **subgen. nov.**) type of subgen. *A.* (*H.*) *carinulatus* **sp. nov.** ♂ Bahia, Brazil p. 206 figs., ATTEMS Ann. naturh. Mus. Wien **57** 1950; *A. araraquarensis* **sp. nov.** ♂. ♀ Bueno de Andrade, Araraquara, São Paulo, Brazil p. 335 figs.; *A. pandeirus* **sp. nov.** ♂. ♀ Rio dos Pandeiros, Minas Gerais, Brazil p. 332 figs.; *A. recifensis* **sp. nov.** ♂ Recife, Afogados, Brazil p. 333 fig.; *A. sicki* **sp. nov.** ♂. ♀ Xavantina, Fundacao, Brazil p. 337 figs.; *A.* key to Brazilian species p. 339, SCHUBART Dusenia **1** 1950.

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Dromodesmus celer **sp. nov.** ♂ Rancho Grande, Venezuela p. 142 fig., CHAMBERLIN Zoologica, New York **35** 1950.

Epistreptus (*Epistreptus*) *austerus* **sp. nov.** Amani, East Africa p. 217 figs. ; *E.* (*Microtrullius* **subgen. nov.**) type of subgen. *E.* (*M.*) *uncinatus* **sp. nov.** ♂ Africa p. 219 figs. ; *E.* key to species p. 215 , 218 & 220 ; *E.* (*Dicranostreptus* **subgen. nov.**) type of *E.* (*D.*) *oyapokanus* Attems, ATTEMS Ann. naturh. Mus. Wien **57** 1950.

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Helicosolenus **gen. nov.** [Spirostreptidae] p. 247 ; type species *H. lineolatus* **sp. nov.** ♂ Paraguay p. 247 figs. ; *H. solitarius* **sp. nov.** ♂ Paraguay p. 248 figs., ATTEMS Ann. naturh. Mus. Wien **57** 1950.

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Heptoporodesmus **gen. nov.** [Leptodesmidae] defined p. 359 ; type species *H. alpinus* **sp. nov.** ♂ Castelo, Morro Assú, Therezopolis, Rio de Janeiro, Brazil p. 259 fig., SCHUBART Arthropoda, Buenos Aires **1** 1950.

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Jeekelia **nom. nov.** pro *Melanodesmus* Loomis 1941 preocc. p. 166, LOOMIS **368.**

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Megagymnostreptus **gen. nov.** [Spirostreptidae] defined p. 365 ; type species *M. niger* **sp. nov.** ♂ . ♀ Morro Assú, Planalto, Therezopolis, Rio de Janeiro, Brazil p. 366 figs., SCHUBART Arthropoda, Buenos Aires **1** 1950.

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Neocricus conclusus **sp. nov.** ♂ Rancho Grande, Venezuela p. 138 figs. ; *N. fivior* **sp. nov.** ♂ banks of Ocumare River, Venezuela p. 138 figs. ; *N. permundus* **sp. nov.** ♂ . ♀ Rancho Grande, Venezuela p. 136 figs., CHAMBERLIN Zoologica, New York **35** 1950.

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